

ACADEMIC CURRICULA
UNDERGRADUATE DEGREE PROGRAMME

**Bachelor of Science in
Defence and Strategic Studies
Three Years /**

**Bachelor of Science (Honours) in
Defence and Strategic Studies
Four Years**

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

Choice Based Flexible Credit System

**Academic Year
2023-2024**



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act, 1956)

Kattankulathur, Chengalpattu District 603203, Tamil Nadu, India



Department of Defense and Strategic Studies

1. Department Vision Statement

Stmnt - 1	<i>Creating the most conducive environment for imparting quality education in Defense and strategic Studies</i>
Stmnt - 2	<i>Contributing effectively to produce globally competent quality professionals in the field of Defense</i>
Stmnt - 3	<i>Contributing towards preparing young minds to serve community and to the nation</i>

2. Department Mission Statement

Stmnt - 1	<i>Impart student's essential knowledge and skills required for a successful career in Defense and Strategic Studies</i>
Stmnt - 2	<i>Instill confidence in the students to take up new challenges by grooming them appropriately</i>
Stmnt - 3	<i>Inculcate in the students a sense of commitment to professional ethics, moral values with emphasis on team work and leadership qualities</i>
Stmnt - 4	<i>Instill the students with a clear awareness of environmental issues and their relevance to their profession</i>
Stmnt - 5	<i>Impress upon the students the impact of their work on the nation's economic and social progress</i>

3. Program Education Objectives (PEO)

PEO - 1	<i>Offer the students those skillsets and domain knowledge based on needs of security</i>
PEO - 2	<i>Provide the students with the capabilities in the areas of analysis, design, development and testing</i>
PEO - 3	<i>Kindle the minds of students to take up research and development in national security issues</i>
PEO - 4	<i>Train and impart leadership qualities amongst students and raise ability to work as a team</i>
PEO - 5	<i>Prepare the students into balanced individuals who are keen to leave a mark by excelling in their profession</i>

4. Program Specific Outcomes (PSO)

PSO - 1	<i>Graduates will acquire basic competency in strategic affairs covering a wide spectrum of border security to global security issues including Internal security dimensions.</i>
PSO - 2	<i>Graduates will develop capability in understanding the implications of use and threat of use of force in International relations.</i>
PSO - 3	<i>Graduates will be prepared to seek, identify and apply the acquired knowledge in Defense and strategic studies on contemporary issues of strategic relevance.</i>

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	H	M	H	M
PEO - 2	H	M	H	H	H
PEO - 3	M	H	M	H	H
PEO - 4	H	H	H	L	M
PEO - 5	L	H	M	H	H

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/PSO-1	Professional Behavior/PSO-2	Lifelong learning/PSO-3
PEO - 1	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PEO - 2	H	H	H	H	H	L	M	L	M	H	M	M	H	H	M
PEO - 3	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PEO - 4	H	M	M	H	H	H	M	H	H	H	H	L	M	M	H
PEO - 5	M	M	H	H	M	H	M	H	H	H	M	M	H	M	M

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

Curriculum – B.Sc. Defence and Strategic Studies

7. Programme Structure

1. Discipline Specific Core Courses (C)							2. Discipline Specific Elective Courses (D)							
(20 Courses)							(10 Courses)							
Course	Course Title	Hours/ Week					Course	Course Title	Hours/ Week					
Code		L	T	P	O	C	Code		L	T	P	O	C	
USS23101T	Conceptual Aspects of War	4	0	0	2	4	USS23D01J	Remote Sensing and itsapplications in Defence	3	0	2	2	4	
USS23102J	Political Geography	3	0	3	2	4	USS23D02J	Conflict Resolution andPeace Building						
USS23103J	Fundamentals of MapReading	0	2	5	2	4	USS23D03T	Arms Control andDisarmament	4	0	0	2	4	
USS23201T	National Security - Conceptual Aspects	4	0	0	2	4	USS23D04T	Introduction to Criminology						
USS23202J	Physical Geography	3	0	2	2	4	USS23D05J	Introduction to GeographicInformation Systems	3	0	3	2	4	
USS23203J	Fundamentals ofCartography	0	2	5	2	4	USS23D06J	WMD and National Security						
USS23301J	Defence Aspects of International Relations	3	0	3	2	4	USS23D07J	Cyber Security	3	0	2	2	4	
USS23302T	Military Psychology	4	0	0	2	4	USS23D08J	Non-Traditional Security Threats						
USS23303J	Military Psychological Test	0	2	5	2	4	USS23D09T	International Terrorism	4	0	0	2	4	
USS23401J	Geopolitics and Military Geography	3	0	3	2	4	USS23D10T	Regional Security andCooperation						
USS23402T	Science and Technology in Warfare	4	0	0	2	4		Total Learning Credits					20	
USS23403J	Weapon Sensitisation	0	3	3	2	4								
USS23501J	Specialized Warfare	3	0	3	2	4	4. Skill Enhancement Courses(S)							
USS23502J	Strategic Thought	3	0	3	2	4	(5 Courses)							
USS23503J	Field Craft and Battle Craft	0	2	5	2	4	Course	Course	Hours/ Week					
USS23601J	Disaster Management	3	0	3	2	4	Code	Title	L	T	P	O	C	
USS23602J	War Game and Practice	0	2	5	2	4	UCD23S01L	Quantitative Aptitude andLogical Reasoning	0	0	2	2	1	
USS23603T	Research Methodology	4	0	0	2	4	UCD23S02T	Verbal Ability and SkillDevelopment	2	0	0	2	2	
USS23701J	India's Maritime Security	3	0	3	2	4	USS23S01J	Fundamentals of AviationSecurity	1	0	1	2	1	
USS23801T	Legal Aspects of International Security	4	0	0	2	4	USS23S02J	Global Navigation SatelliteSystem	1	0	2	2	2	
	Total Learning Credits					80	USS23S03J	Introduction to Police Administration	1	0	1	2	1	
								Total Learning Credits					7	

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					
USS23G01J	Fundamentals of National Security	3	0	3	2	4
USS23G02J	Defence Economics and Defence Management	3	0	3	2	4
USS23G03T	Military History of India	4	0	0	2	4
USS23G04J	Strategic Geography	3	0	2	2	4
USS23G05T	Higher Defence Organizations	4	0	0	2	4
USS23G06J	Contemporary Strategic Environment	3	0	3	2	4
USS23G07J	Internal Security of India	3	0	2	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
USS23P01L	Internship – I	-	-	-	-	1
USS23P02L	Internship – II	-	-	-	-	1
USS23P03L	Internship - III	-	-	-	-	2
USS23P04L	Mini Project	-	-	4	2	2
USS23P05L	Project Phase-I	-	-	8	2	4
USS23P06L	Project Phase-II	-	-	12	2	6
Total Learning Credits						16

5. Ability Enhancement Courses (AE)					
(4 Courses)					
Course Code	Course Title	Hours/ Week			
		L	T	P	O
ULE23AE1T	English	4	0	0	2
ULT23AE1J	Applied Tamil-I	1	0	2	2
ULH23AE1J	Applied Hindi-I				
ULF23AE1J	French for Specific Purpose-I				
ULM23AE1T	Mandarin-I	1	0	2	2
ULT23AE2J	Applied Tamil-II				
ULH23AE2J	Applied Hindi-II				
ULF23AE2J	French for Specific Purpose-II	3	0	0	2
ULM23AE2T	Mandarin-II				
UES23AE1T	Environmental Studies	3	0	0	2
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 Skills	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
UNS23M01L	NSS	-	-	-	-
UNC23M02L	NCC				
UNO23M03L	NSO				
UYG23M04L	YOGA				
UMI23M01L	My India Project	-	-	-	-
Total Learning Credits					

8. 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
USS23101T	Conceptual Aspects of War	4	0	0	2	4
USS23102J	Political Geography	3	0	3	2	4
USS23103J	Fundamentals of Map Reading	0	2	5	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	12	18	22
Total Number of Hours/Week						29
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
USS23201T	National Security - Conceptual Aspects	4	0	0	2	4
USS23202J	Physical Geography	3	0	2	2	4
USS23203J	Fundamentals of Cartography	0	2	5	2	4
UCD23S02T	Verbal Ability and Skill Development	1	0	2	2	2
UEN23V01L	Communication Skills	0	0	4	2	2
UNS23M01L	NSS				2	
UNC23M01L	NCC					
UNO23M01L	NSO					
UYG23M01L	YOGA					
Total Learning Credits		15	0	15		22
Total Number of Hours/Week						30

Semester - III						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
USS23301J	Defence Aspects of International Relations	3	0	3	2	4
USS23302T	Military Psychology	4	0	0	2	4
USS23303J	Military Psychological Test	0	2	5	2	4
ULT23AE1J	Applied Tamil-I	1	0	2	2	2
ULH23AE1J	Applied Hindi-I					
ULF23AE1J	French for Specific Purpose-I					
ULM23AE1T	Mandarin-I					
USS23G01J	Fundamentals of National Security	3	0	3	2	4
USS23S01J	Fundamentals of Aviation Security	1	0	1	2	1
USS23P01L	Internship - I	0	0	0	0	1
UCD23V03T	Industry Oriented Employability Skills for Arts	2	0	0	2	2
Total Learning Credits		16	0	14	14	22
Total Number of Hours/Week						30
Semester - IV						
Course	Course	Hours/ Week				
Code	Title	L	T	P	O	C
USS23401J	Geopolitics and Military Geography	3	0	3	2	4
USS23402T	Science and Technology in Warfare	4	0	0	2	4
USS23403J	Weapon Sensitisation	0	3	3	2	4
ULT23AE2J	Applied Tamil-II	1	0	2	2	2
ULH23AE2J	Applied Hindi-II					
ULF23AE2J	French for Specific Purpose-II					
ULM23AE2T	Mandarin-II					
USS23G02J	Defence Economics and Defence Management	3	0	3	2	4
USS23S02J	Global Navigation Satellite System	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
USS23501J	Specialized Warfare	3	0	3	2	4
USS23502J	Strategic Thought	3	0	3	2	4
USS23503J	Field Craft and Battle Craft	0	2	5	2	4
USS23D01J	Remote Sensing and its applications in Defence	3	0	2	2	4
USS23D02J	Conflict Resolution and Peace Building					
USS23G03T	Military History of India	4	0	0	2	4
USS23S03J	Introduction to Police Administration	1	0	1	2	1
USS23P02L	Internship - II	0	0	0	0	1
Total Learning Credits		16	0	14	12	22
Total Number of Hours/Week						30
Semester - VI						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
USS23601J	Disaster Management	3	0	3	2	4
USS23602J	War Game and Practice	0	2	5	2	4
USS23603T	Research Methodology	4	0	0	2	4
USS23D03T	Arms Control and Disarmament	4	0	0	2	4
USS23D04T	Introduction to Criminology					
USS23G04J	Strategic Geography	3	0	2	2	4
USS23P04L	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 Code	Course Title	Hours/ Week				
		L	T	P	O	C
USS23701J	India's Maritime Security	3	0	3	2	4
USS23D05J	Introduction to Geographic Information Systems	3	0	3	2	4
USS23D06J	WMD and National Security					
USS23G05T	Higher Defence Organizations	4	0	0	2	4
USS23G06J	Contemporary Strategic Environment	3	0	3	2	4
USS23P03L	Internship - III	0	0	0	0	2
USS23P05L	Project Phase-I	0	0	8	2	4
Total Learning Credits		13	0	17	10	22
Total number of hours/Week						30
Semester - VIII						
Course Code	Course Title	Hours/ Week				
		L	T	P	O	C
USS23801T	Legal Aspects of International Security	4	0	0	2	4
USS23D07J	Cyber Security	3	0	2	2	4
USS23D08J	Non Traditional Security threats					
USS23D09T	International Terrorism	4	0	0	2	4
USS23D10T	Regional Security and Cooperation					
USS23G07J	Internal Security of India	3	0	2	2	4
USS23P06L	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.

9. Program Articulation Matrix

Course Code	Course Name	Programme Learning Outcomes														
		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/PSO-1	Professional Behavior/PSO-2	Life long learning/PSO-3
USS23101T	Conceptual Aspects of War	H	-	-	-	M	M	-	M	M	-	M	-	-	H	
USS23102J	Political Geography	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
USS23103J	Fundamentals of Map Reading	H	M	M	L	M	M	M	M	L	L	-	L	-	M	H
USS23201T	National Security - Conceptual Aspects	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
USS23202J	Physical Geography	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
USS23203J	Fundamentals of Cartography	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
USS23301J	Defence Aspects of International Relations	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
USS23302T	Military Psychology	H	M	M	L	-	M	-	M	H	L	L	M	-	-	M
USS23303J	Military Psychological Test	H	H	L	H	H	H	-	L	M	H	M	L	-	-	H
USS23401J	Geopolitics and Military Geography	H	M	M	L	-	M	-	M	H	L	-	L	-	-	M
USS23402T	Science and Technology in Warfare	H	-	M	-	-	M	-	M	H	L	-	L	L	-	M
USS23403J	Weapon Sensitisation	H	M	M	L	-	M	-	M	H	L	H	L	-	-	H
USS23501J	Specialized warfare	H	M	-	-	M	M	L	M	M	-	M	L			H
USS23502J	Strategic Thought	H	M	M	L	-	M	-	M	H	L	-	L	-	-	M
USS23503J	Field Craft and Battle Craft	H	M	M	L	-	M	-	M	H	L	H	L	-	L	H
USS23601J	Disaster Management	M	-	M	-	L	M	-	L	-	M	-	-	-	-	M
USS23602J	War Game and Practice	H	H	-	M	H	H	M	-	L	M	-	M	-	-	M
USS23603T	Research Methodology	H	M	M	L	-	M	-	M	H	L	H	L	-	-	M
USS23701J	India's Maritime Security	H	-	M	L	M	M	-	M	H	-	-	L	-	-	H
USS23801T	Legal Aspects of International Security	M	-	L	L	-	L	-	M	L	-	-	L	-	-	L
USS23D01J	Remote Sensing and its applications in Defence	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
USS23D02J	Conflict Resolution and Peace Building	H	M	M	L	-	M	-	M	H	L	H	L	-	-	-
USS23D03T	Arms Control and Disarmament	H	-	L	-	L	-	-	M	H	-	-	-	-	-	H
USS23D04T	Introduction to Criminology	H	L	M	M	L	M	-	M	H	L	-	-	-	-	M
USS23D05J	Introduction to Geographic Information Systems	H	L	-	L	-	M	-	L	-	-	-	L	M	-	H
USS23D06J	WMD and National Security	H	-	L	M	-	-	-	L	L	L	-	L	L	-	M
USS23D07J	Cyber Security	H	M	M	-	M	M	L	M	H	L	-	L	H	-	H
USS23D08J	Non Traditional Security threats	H	-	L	L	M	L	L	M	H	-	-	L	-	-	H
USS23D09T	International Terrorism	H	-	L	M	H	M	-	M	H	L	-	L	-	-	H
USS23D10T	Regional Security and Cooperation	H	-	L	M	L	M	-	M	H	L	-	L	-	-	H
ULT23G01J	Tamil-I	H	M	H	H	H	H	M	H	H	M	H	H	M	H	H
ULH23G01J	Hindi-I	H	H	H	H	H	H	M	H	H	H	H	H	M	H	H
ULF23G01J	French – I	H	H	H	M	H	H	M	H	H	H	H	H	M	H	H
ULT23G02J	Tamil-II	H	M	H	H	H	H	M	H	H	M	H	H	M	H	H
ULH23G02J	Hindi-II	H	H	H	H	H	H	M	H	H	H	H	H	M	H	H
ULF23G02J	French – II	H	H	M	H	H	H	H	M	H	H	H	H	M	H	H
ULT23AE1J	Applied Tamil-I	H	M	H	H	H	H	M	H	H	M	H	H	M	H	H
ULH23AE1J	Applied Hindi-I	H	H	H	H	H	H	M	H	H	H	H	H	M	H	H

ULF23AE1J	French for Specific Purpose-I	H	H	H	H	H	H	M	H	H	H	H	H	H	H	H
ULT23AE2J	Applied Tamil-II	H	M	H	H	H	H	M	H	H	M	H	H	M	H	H
ULH23AE2J	Applied Hindi-II	H	H	H	H	H	H	M	H	H	H	H	H	M	H	H
ULF23AE2J	French For Specific Purpose-II	H	H	M	H	H	H	H	M	H	H	H	M	H	H	H
USS23G01J	Fundamentals of National Security	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
USS23G02J	Defence Economics and Defence Management	H	L	L	M	L	M	-	M	M	M	L	H	-	-	M
USS23G03T	Military History of India	H	-	-	L	-	L	-	-	-	-	-	-	-	-	-
USS23G04J	Strategic Geography	H	-	M	-	L	M	-	L	-	-	-	-	-	-	M
USS23G05T	Higher Defence Organizations	H	-	L	M	-	-	-	L	L	L	-	L	-	-	M
USS23G06J	Contemporary Strategic Environment	H	-	M	L	M	L	-	M	H	L	-	L	-	-	M
USS23G07J	Internal Security of India	H	-	L	M	L	L	-	M	H	L	-	L	-	-	H
UCD23S01L	Quantitative Aptitude and Logical Reasoning	M	H	M	M	M	H	L	M	M	H	M	M	L	L	M
UCD23S02T	Verbal Ability and Skill Development	M	H	M	M	M	M	L	M	M	H	M	H	M	M	M
USS23S01J	Fundamentals of Aviation Security	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
USS23S02J	Global Navigation Satellite System	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
USS23S03J	Introduction to Police Administration	H	-	L	-	M	M	-	M	-	-	-	L	-	-	M
ULE23AE1T	English	H	H	H	H	M	L	L	L	M	L	M	H	L	H	L
ULM23AE2T	Mandarin-I	H	L	M	L	H	H	L	L	L	L	H	L	L	M	H
ULM23AE3T	Mandarin-II	H	L	M	L	H	H	L	L	L	L	H	L	L	M	H
UES23AE1T	Environmental Studies	H	H	M	H	M	L	M	M	L	L	M	H	M	L	M
UCD23V01T	Universal Human Values	M	M	M	H	M	M	M	M	L	L	M	L	M	H	H
UEN23V01L	Communication Skills	M	H	H	H	H	H	H	H	H	H	L	H	L	M	H
UCD23V03T	Industry Oriented Employability Skills for Arts	M	H	M	M	M	M	L	M	M	H	M	H	M	M	M
UCD23V06T	Career Readiness and Leadership Management	M	M	H	M	M	M	L	M	M	M	M	M	M	H	H
USS23P01L	Internship - 1	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
USS23P02L	Internship - 2	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
USS23P03L	Internship - 3	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
USS23P04L	Mini Project	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
USS23P05L	Project Phase-I	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
USS23P06L	Project Phase-II	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
UNS23M01L	NSS	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
UNC23M02L	NCC	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
UNO23M03L	NSO	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
UYG23M04L	Yoga	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
UMI23M01L	My India Project	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H

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)
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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																		
CLR-3:	சிறுநிலக்கியங்கள், 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:	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:	புதுக்கவிதை உருவாக்கித் தந்த புதிய சிந்தனைக் களங்களை அறிந்துகொள்ளுதல்	2	75	60	H	L	H	M	H	H	L	M	H	M	L	H	-	-	-
LCL0-2:	நவீன கவிதைகள் வழி மாற்றம் பெற்று வரும் மானுட விழுமியங்களைத் தெரிந்துகொள்ளுதல்	2	80	70	H	M	H	L	M	H	L	H	M	L	H	H	-	-	-
CLO-3:	தமிழ்ச்சமூகத்தின் இடைக்கால வாழ்வியல் முறைகளை உணர்ந்துகொள்ளுதல்	2	70	65	H	L	H	M	H	H	M	H	L	H	M	H	-	-	-
CLO-4:	நவீன இலக்கிய வரலாறு வழி தமிழ்க் கல்வி வரலாறு, சமூக வரலாறு பெற்ற வளர்ச்சி நிலைகளைத் தெரிந்துகொள்ளுதல்	2	70	70	H	M	H	L	H	M	M	H	H	L	H	H	-	-	-
CLO-5:	மொழியின் நுட்பங்களை அறிந்து மொழி ஆளுமையோடு செயல்பட அறிந்துகொள்ளுதல்	2	80	70	H	M	H	H	M	H	L	M	H	L	H	H	-	-	-

Duration (hour)		12	12	12	12	12
S-1	SLO-1	தமிழ் இலக்கியத்தின் வளர்ச்சிப் போக்குகள்	நவீன கவிதை தோற்றம்	தமிழரின் வீரமரபு	சிறுநிலக்கியத் தோற்றம்	தமிழ் உரைநடை மரபில் உ.வே.சா.
	SLO-2	இலக்கிய உத்திகள்	நவீன கவிதை வரலாறு	போர் விழுமியங்கள்	சிறுநிலக்கிய வகைமை	ராஜ வைத்தியம்
S-2	SLO-1	தமிழ்க் கவிதை மரபு	நவீன கவிதை செல்நெறிகள்	பரணி அறிமுகம்	சிறுநிலக்கியங்கள்	வைத்தியர்களின் சிறப்பு

	SLO-2	காலந்தோறும் கவிதையின் கரு	செல்நெறிகளில் கோட்பாடுகள்	பரணி இலக்கியங்கள்	முதன்மைச் சிற்றிலக்கியங்கள் -	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 நுட்பங்கள்
	SLO-2	ஆல் - ஆயிரம் கிளைகள் கொண்ட அடிமரம்	திருநாற்குளம் சாதனைகளும்	குறவஞ்சி இலக்கியங்கள்	புதினம் தோற்றம்	இலக்கணமும் பயன்பாடும்
S-9	SLO-1	இயற்கையின் அழகியல்	புலம்பெயர் வாழ்வியல்	குற்றாலக் குறவஞ்சி - ஆடுமர வீணுமணி (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	<ol style="list-style-type: none"> முல்லைக்காடு, தொகுப்பும் பதிப்பும் - தமிழ்த்துறை ஆசிரியர்கள், எஸ்.ஆர்.எம். அறிவியல் மற்றும் தொழில்நுட்பக் கல்விநிறுவனம், காட்டாங்குளத்தூர், 603203, 2023 வல்லிக்கண்ணன், புதுக்கவிதை தோற்றமும் வளர்ச்சியும், ஆழி பதிப்பகம், சென்னை, 2018 கா. சிவத்தம்பி, தமிழில் சிறுகதை தோற்றமும் வளர்ச்சியும், என்.சி.பி.எச்., சென்னை, 2013 	<ol style="list-style-type: none"> தமிழ் இணையக் கல்விக்கழகம் - http://www.tamilvu.org/ மதுரை தமிழ் இலக்கிய மின் தொகுப்புத் திட்டம் - https://www.projectmadurai.org/
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	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%	-
Level 2	Understand										
Level 2	Apply	40%	50%	50%	40%	50%	50%	50%	50%	50%	-
Level 3	Analyze										
Level 3	Evaluate	30%	20%	20%	30%	30%	30%	30%	30%	20%	-
Level 3	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. Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvanniyur, Chennai – 600 041.	1. 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.
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Course Code	ULH23G01T	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)
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CLR-1:	To Communicate in Hindi without any inhibition	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	To appreciate the Hindi Language in its various forms	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 analyze the different writing styles				H	H	H	M	L	H	L	M	L	L	H	M	-	-	-
CLR-4:	To display moral and social values in the field of social Responsibility and Integrity				H	H	H	M	L	H	H	M	L	L	H	M	-	-	-
CLR-5:	To be willing listeners and Translators-where need be				H	H	M	L	H	M	H	M	H	M	H	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	M	L	H	L	M	L	L	H	M	-	-	-
CLO-1:	To Understand the Philosophy of life and living through Stories	2	75	80	H	H	H	M	L	H	H	M	L	L	H	M	-	-	-
CLO-2:	To Examine Travelogue writing and Sketch	2	80	90	H	H	M	L	H	H	M	H	M	L	H	M	-	-	-
CLO-3:	To Identify Irony and essay based writing	2	75	95	H	H	M	L	H	M	H	M	H	M	H	H	-	-	-
CLO-4:	Evaluate the various social issues depicted in the prose	2	80	90	H	H	L	H	M	H	L	H	H	M	H	H	-	-	-
CLO-5:	To Understand the basic and fundamental principal of Translation	2	85	90	M	H	M	H	L	H	H	L	H	M	H	H	-	-	-

Duration (hour)	12	12	12	12	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	TATVA	PRAKAR
	SLO-2 KAHANI KA MAHATVA	UDDESHYA	UDDESHYA	PRAKAR	MAHATVA
S-4	SLO-1 PARIKSHA- PREMCHAND	GISHA-REKHACHITRA	KUTAJ- NIBANDH	UDDESHYA	UDDESHYA
	SLO-2 KAHANI KA PARICHAY	LEKHIKA PARICHAY	HAJARI PRASHAD DIVEI	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	DURDRISHTIHIIN	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.			4. BIHARI – VISHVNATH PRASAD MISHR 5. Aadhunik Vigyapan aur Jansampark – Tareh Bhatia
	1.	KABIR – HAZARI PRASAD DWEDI		
	2.	SURDAS – RAM CHANDRA SHUKL		
	3.	BHAKTI ANDOLAN AUR SURDAS KA KAVYA – MANAGER PANDEY		

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 Understand	30%	30%	30%	30%	20%	20%	20%	20%	30%	-
Level 2	Apply Analyze	40%	50%	50%	40%	50%	50%	50%	50%	50%	-
Level 3	Evaluate Create	30%	20%	20%	30%	30%	30%	30%	30%	20%	-
	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
		2. Dr. Md.S. Islam Assistant Professor, SRMIST
		3.Dr. S. Razia Begum, Assistant Professor, SRM IST
		4. Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST

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)
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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	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 :	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:	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLO-1 :	To acquire knowledge about French language	2	75	80	H	M	L	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	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	L	M	H	M	L	H	M	M	H	H	-	-	-
CLO-4 :	To interpret the French language into other language	2	75	80	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	H	H	L	M	M	H	H	M	L	H	M	-	-	-

Duration (hour)	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 activités
S-3	SLO-1	Les pays	Entrer en contact	Quelques objets	Le Petit Spirou
	SLO-2	les nationalités	Les activités	Les exemples	Les activités
S-4	SLO-1	Les jours de la semaine	Présenter et se présenter	Les professions	L'aspect physique
	SLO-2	Les jours	Les activités	La fiche d'identité	Les activités
S-5	SLO-1	Les mois de l'année	Demander et dire la date	La formation du féminin (2)	Le caractère
	SLO-2	Les activités	Les activités	La phrase interrogative partielle –	Les exemples
S-6	SLO-1	Les animaux domestiques	une rencontre.	Qu'est-ce que c'est ?	les états d'âme
	SLO-2	Les activités	Les activités	Qui est-ce ?	Les activités
S-7	SLO-1	La famille (1)	Contacts	C'est / Il est (1)	Les prépositions de lieu (1)

	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	Theory: 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
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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 (5%)#		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	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. Abigail, Assistant Professor, SRMIST, VDP

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

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

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Develop an understanding and sensibility of human consciousness through gender inclusive curriculum
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:
CLO-1 :	Analyze different literary texts to identify the representation of issues related to gender, and class
CLO-2 :	Apply critical thinking skills to analyze and respond to academic texts.
CLO-3 :	Critically evaluate and discuss contemporary issues through online articles.
CLO-4 :	Refine their general writing skills
CLO-5 :	Improve their language application skills

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	Procedural Knowledge	Skills in Specialization	Ability to Utilize	Skills in Modeling	Analyze, Interpret Data	Investigative Skills	Problem Solving Skills	Communication Skills	Analytical Skills	PSO -1	PSO -2	PSO-3
H	M	M	L	-	M	-	M	H	L	H	L	-	-	-
M	H	L	-	-	-	-	M	M	H	H	M	-	-	-
M	M	M	-	L	L	-	H	M	H	H	L	-	-	-
H	M	L	-	M	H	-	-	-	-	H	L	-	-	-
H	H	-	M	-	M	-	L	L	M	H	M	-	-	-

Duration (hour)	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.
					Reflecting the learning. -Review writing
					Choosing the subject for reviewing.
					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 – S-4	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-5	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.
	SLO- 2	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 – S-8	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
	SLO- 2	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- 2	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	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	4. R.P. Bhatnagar, English for Competitive Examinations, Trinity Press, 3rd Edition,2016 5. http://www.apititudetests.org/verbal-reasoning-test 6. https://www.assessmentday.co.uk/apititudetests_verbal.htm
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Level	Blooms 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		
1	Remember Understand	30%	-	30%	-	30%	-	30%	-	30%	-
2	Apply Analyze	40%	-	40%	-	40%	-	40%	-	40%	-
3	Evaluate Create	30 %	-	30%	-	30%	-	30 %	-	30%	-
	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
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Course Code	USS23101T	Course Name	CONCEPTUAL ASPECTS OF WAR	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1:	Imparting the basic understanding of different categories of war	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Understand the causes and principles of war																		
CLR-3:	Imparting the basic understanding of Guerilla Warfare																		
CLR-4:	Imparting the basic understanding of Psychological Warfare																		
CLR-5:	Imparting the basic understanding of Nuclear Warfare																		

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	ICT Skills	Professional Behavior	Lifelong Learning
CLO-1:	Acquire a strong knowledge on different categories of War	2	75	60	H	-	-	M	M	-	M	M	-	M	-	M	-	-	H
CLO-2:	Obtain knowledge on causes and principles of war	2	80	70	H	L	-	M	-	M	-	L	L	M	L	M	-	-	M
CLO-3:	Gain Clear understanding of Guerilla Warfare	2	70	65	H	-	-	M	M	L	-	L	M	L	-	M	L	-	M
CLO-4:	Attain Clear Understanding of Psychological Warfare	2	70	70	H	-	L	M	M	L	L	M	L	-	M	-	M	M	M
CLO-5:	Gain Clear understanding of Nuclear Warfare	2	80	70	H	-	-	M	M	L	-	L	M	L	-	M	-	-	M

Duration (hour)	12	12	12	12	12
S-1	SLO	Conceptual Formulation	Modern Warfare	War as an Instrument of Policy	Psychological Warfare
S-2	SLO	Defence and Strategic Studies-Meaning and Definition	Concept and Definition	Guerilla Warfare	Definition
S-3	SLO	Relevance and Significance	Causes of War	Origin	Concept
S-4	SLO	War-Definition	Economic Causes	Concept	Functions
S-5	SLO	Basic Concepts	Contemporary causes of War	Principles	Limitations
S-6	SLO	War Studies	Principles of War	Techniques	Psychological Operations
S-7	SLO	War, Campaign	Selection and Maintenance of aim	Characteristics	Steps in Psychological Operations
S-8	SLO	Battle, Strategy, tactics	Concentration of Force	Counter Guerilla Measures	PSYOP Tactics
S-9	SLO	Security and Defence	Morale, Mobility	Guerilla Warfare Theory- Mao Tse Tung	Types of Psychological Warfare
S-10	SLO	Peace Studies	Surprise, Security	Guerilla Warfare in Vietnam	Propaganda
S-11	SLO	Conflict Studies	Co-operation	Guerilla Warfare in India	Manipulation
S-12	SLO	Positive Peace and Negative Peace	Offensive Action	Chatrapathi Shivaji's tactics	Visual Intimidation

Learning Resources	1. Wright Quincy, Study Of War, University of Chicago Press (1942) 2. Osanka, FM, Modern Guerilla Warfare, Free Press of Glencoe, (1962)	3. Blaney G, The Causes of War, Macmillan London. 1973 4. Sidhu KS, War and its Principles, Atlantic. 1988 5. Barringer R, War : Patterns of Conflict, MIT Press. 1972
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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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. 1Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. 1Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. .Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23102J	Course Name	POLITICAL GEOGRAPHY		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		Defence and Strategic Studies			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 concepts of state, nation-state					Level of Thinking	1	2	3	Expected Proficiency (%)	Expected Attainment (%)	Fundamental Knowledge	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Impart the significance of geopolitical setting of the states																										
CLR-3 :	Learn about the voting pattern of the nation																										
CLR-4 :	Understand how to identify and assess the disputes																										
CLR-5 :	Learn about how the conflict arises																										
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																									
CLO-1:	Acquire knowledge of different responsibilities in a nation, nation-state					2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	H	M	-	-	-	-	-
CLO-2:	Learn whether the existing security structure is sufficient to handle modern threats					2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	-	-	-	-	
CLO-3:	Understand how the national power can be election, demographic pattern					2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	M	H	-	-	-	
CLO-4:	Gain a clear understanding of the nature of conflicts					2	70	70	H	M	L	-	M	H	-	-	-	-	H	L	-	-	-	-	-	L	
CLO-5:	Attain a strong understanding of conflict between neighboring states					2	80	70	H	H	-	M	-	M	L	L	L	M	H	M	-	M	-	-	-	-	
Duration (hour)		18		18		18		18		18		18		18		18		18		18		18		18		18	
S-1	SLO	Introduction to Political Geography		State Cohesion		National Identity		Case Studies		Conflict Zones																	
S-2	SLO	Definition		Territoriality		Introduction		Conflicts-Meaning		Meaning and Introduction																	
S-3	SLO	Meaning		Attributes of States		Associated Myths		Nature		Border Disputes																	
S-4	SLO	Background		Defining States		Electoral Geography		Definition		International Border Disputes																	
S-5	SLO	Concepts		Frontiers		Definition		Resource Conflicts		National Border Disputes																	
S-6	SLO	Nature		Shape		Meaning		Conflict Geography		Sino-Indian Disputes																	
S-7	SLO	Scope		Shape of States		Background and Concepts		Conflict Resolution		India-China Water Disputes																	
S-8	SLO	Significance		Boundaries		Environmental Politics		International Disputes		McMahon Line																	
S-9	SLO	Relevance		Physical Boundaries		Politics of Geography		International Land and water Disputes		India –Pakistan disputes																	
S-10	SLO	Early Political Geography		Cultural Boundaries		Centripetal Forces		International Agreements		Kashmir Disputes																	
S-11	SLO	Modern Political Geography		Types of State Boundaries		Centrifugal forces		National Disputes		India – Bangladesh Disputes																	
S-12	SLO	Political Geography - Sir Halford Mackinder		Borders		Geography of Voting		Inter-state water disputes		India – Nepal Disputes																	
S-13	SLO	Political Geography - Karl Haushofer		Size		Voting Pattern		Teesta Rivers issue		India – Bhutan Disputes																	
S-14	SLO	Political Geography – Post World War II		Physical Configuration		Geographic Influences of Voting Pattern		Brahmaputra river problem		High Seas																	
S-15	SLO	Political Geography - Definitions		Territory		Representation		Indus Water sharing Treaty		Antarctica																	
S-16	SLO	Concept of State		Sovereignty		Gerrymandering		Water Disputes tribunal		Land Locked Seas																	
S-17	SLO	Concept of Nation		Nation State		Demarcation of voter's jurisdictions		International Disputes		Caspian Sea																	
S-18	SLO	Concept of Nation-State		Nation and Nationality		Impact on the state		Wullar barrage disputes		Dead Sea																	

Learning Resources	1. Smith Sara, Political Geography : A Critical Introduction, Wiley-Blackwell, 2020. 2. Cox R Kevin, Political Geography : Territory, state and society, Wiley-Blackwell, 2002 3. Okunev Igor, Political Geography, PIE Peter Lang, New Edition, 2020	4. Agnew A John, Toal Gerard, Mitchell Kathatyne, A Companion to Political Geography, Wiley Blackwell, 2003. 5. Agnew John, Making Political Geography, Rowman & Littlefield, 2012.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Madhavoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23103J	Course Name	FUNDAMENTAL OF MAP READING	Course Category	C	Discipline Specific Core Course				
						L	T	P	O	C
						0	2	5	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Imparting the significance direction, cardinal points, SLPC and toposheet parts, scales				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Imparting the basic understanding of Indian Geology				Level of Thinking (Bloom)	Proficiency (%)	Attainment (%)	Knowledge	Concepts	and	Knowledge	Specialization	Learning	Interpret Data	Skills	g Skills	Skills	t	Behavior	ng		
CLR-3 :	Understand the Type symbols using, conventional and military signs, service protector, grid reference																					
CLR-4 :	Educate the role of north points, a finding a north, relief and contours																					
CLR-5 :	Learn about the importance of sketching, bearing, map and ground study																					

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Acquire knowledge of Cardinal points, direction, toposheet and parts, scales and SLPC	2	75	60	H	M	M	L	M	M	M	M	L	L	-	L	-	M	H
CLO-2 :	Acquire a strong knowledge of conventional signs and military signs, service protector and grid	2	80	70	M	H	L	-	M	H	-	M	L	M	-	M	-	M	H
CLO-3 :	Obtain knowledge of north points, finding true north, relief and contours, slope and visibility	2	70	65	M	M	M	-	L	L	-	H	M	H	-	L	L	-	H
CLO-4 :	Gain clear understanding of toposheets, enlargement and sketching	2	70	70	H	M	L	-	M	H	-	-	-	-	-	L	-	-	M
CLO-5 :	Attain strong understanding bearing and map and ground	2	80	70	H	H	-	M	-	M	-	L	L	M	-	M	-	-	H

21	21	21	21	21
S-1 Map reading	Bearings- GB, MB and TB	Prismatic compass	Grid System	Introduction to map
S-2 Introduction to map reading	Back Bearing	Introduction,	Introduction	Key features of toposheet
S-3 Map reading	Conversion of Bearing	Types of compasses	The method of taking grid reference	Conventional Signs
S-4 Aim of map reading	Convert GB to MB	Service Liquid Prismatic Compass Mark IIIA	04 Figures	Conventional Signs Charts 1
S-5 Types of Maps	Convert MB to TB	How to take bearing	06 Figures	Conventional Signs Charts 2
S-6 Atlas maps, topographical maps	Topographical forms and technical term	Setting the compass for night march	08 Figures	Military Signs
S-7 Relief maps, Outline maps	Basin, Clif	Local Magnetic attraction	Elevation and Relief	Military Signs – Chart 1
S-8 Rail and Road maps	Col, Crest	Compass errors	Methods of showing relief	Military Signs – Chart 2
S-9 Photo maps	Dead Ground, Defile	Service Protector MARK III	Hachures, Omitted/Shading	Military Signs – Chat 3
S-10 Other maps	Divide, Dune	Uses of Service Protector	Form lines, Layer Tints	Military Signs – Fortification
S-11 Limitation of map	Escarpment, Gorge	Romer	Contours, Spot height	Military signs – Weapons
S-12 Cardinal Point, North points and bearing	Knoll, Left/Right Bank	Scales	Trigonometric height	Military formation
S-13 Introduction	Plateau, Ravine	Definition and type of scales	Bench Mark	Military mines – color signs
S-14 Cardinal Points and directions	Re-entrant, Ridge	Simple Scales	Contours and types of contours	Map Setting and finding own position
S-15 North points	Spur, Undulating ground	Comparative Scales	Terraced Slope	Methods of map setting
S-16 True north	Under Feature	Scales line and methods of expressing a scale	Undulating Slope	Setting of map by inspection
S-17 Magnetic North	Water Course, water shed	Representative fraction	Col or Saddle	Find own position on the map

S-18	Grid North	Technical terms- Bearing, Bench mark, contour, conventional signs	RF 1:250000	Escarpment, Knoll, Re-entrant, Watershed	Methods used for finding own position
S-19	Angles between north points	Datum or Datum level details, fixed point, form line, gradient, grid lines, grid north, Hachures, Horizontal Equivalent, local magnetic Variation	RF 1:100000	Gorge, Scarp, Spur, Crest	Resection with compass
S-20	Magnetic Declination or Magnetic Variation	Magnetic north, Magnetic Variation, Orienting a map, Plotting, Ray, Resection,	RF 1:50000	Relief, Contours and Gradients	Resection without compass
S-21	Grid Covergence	Section, spot height, trig point, true north, vertical interval	RF 1:25000	Vertical Interval, Gradient and Slopes	Setting the compass for night marching

Learning Resources	1. Manual of map reading air photo reading and field sketching part 1 her majesty stationery office london, 1955 2. Saral Map reading – army education store chandigarh -2 3. Study of strageic maps course – s prakashan depo aligarh 4. Complete map reading – capt leharasingh verma (AEC) 2010
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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	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
Level 2	Understand	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
Level 3	Apply	20%	20%	20%	20%	20%	20%	20%	20%	-	40%
	Analyze										
	Evaluate										
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	UCD23S01L	Course Name	Quantitative Aptitude and Logical Reasoning	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	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	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Critically evaluate basic mathematical concepts related to profit, loss, interest calculations, average and interpret data																		
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:		Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)															
CLO-1 :	Understand the concepts of LCM, HCF, ratio and proportions, percentages and approach questions in a simpler and innovative method	3	80	70	H	M	-	M	-	M	-	H	M	H	-	M	-	-	-
CLO-2 :	Develop, solve, analyze, and use simple mathematical models that are relevant to daily life.	3	80	75	H	M	-	M	L	M	-	H	M	H	-	M	-	-	-
CLO-3 :	Solve problems on reasoning	3	85	70	-	M	-	-	-	M	M	H	-	H	-	H	-	-	-
CLO-4 :	Understand the different parts of speech and use them in sentences appropriately	3	85	80	H	-	-	-	-	M	M	-	-	-	H	H	-	M	
CLO-5 :	Instill confidence in students and develop skills necessary to face the audience	3	85	75	-	-	M	-	-	M	-	-	M	-	H	M	-	H	H

Duration (hour)	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	1. Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata McGraw Hill, 5th Edition 2. Dr. Agarwal R.S, Quantitative Aptitude for Competitive Examinations, S. Chand and Company Limited, 2018 Edition 3. Archana Ram, Place Mentor: Tests of Aptitude for Placement Readiness, Oxford University Press, Oxford, 2018	4. Edgar Thrope, Test of Reasoning for Competitive Examinations, Tata McGraw Hill, 6th Edition 5. Singh O.P., Art of Effective Communication in Group Discussion and Interview, S Chand & Company, 2014 6. Bhatnagar R P, English for Competitive Examinations, Trinity Press, 2016
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Learning Assessment					
Level	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)			
		CLA – 1 (20%) Practice	CLA – 2 (20%) Practice	CLA – 3 (30%) Practice	CLA – 4 (30%)# 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 Vidyapeedam, Coimbatore	Dr. Sathish K, HOD, Department of Career Guidance Cell, FSH, SRMIST
		Ms. Deepalakshmi S, Assistant Professor, Department of Career Guidance Cell, FSH, SRMIST

Course Code	UCD23V01T	Course Name	Universal Human Values	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 :	Help the students to understand need of value education, appreciate the essential complementarity 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 (%)	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 :	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:																				
CLO-1 :	Evaluate the significance of value inputs in formal education and start applying them in their life and profession				3	80	70	M	-	-	H	-	-	-	-	-	-	M	-	-	H	H
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	80	75	-	M	-	H	-	L	-	-	-	-	-	-	-	H	H
CLO-3 :	Analyze the value of harmonious relationship based on trust and respect in their life and profession				3	85	70	-	-	-	H	-	-	-	M	L	-	-	-	-	H	H
CLO-4 :	Examine the role of a human being in ensuring harmony in society and nature.				3	85	80	-	-	-	H	-	-	L	-	L	L	-	L	M	H	H
CLO-5 :	Apply the understanding of ethical conduct to formulate the strategy for ethical life and profession.				3	85	75	-	-	L	H	L	-	-	-	-	-	-	M	H	H	H

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	Natural Acceptance of Human Values
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	Definitiveness of (Ethical) Human Conduct
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	A Basis for Humanistic Education, Humanistic Constitution and Universal Human Order
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	Competence in Professional Ethics
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	Holistic Technologies, Production Systems and Management Models- Typical Case Studies
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	<i>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.</i> <i>E.F. Schumacher, 1973, Small is Beautiful: a study of economics as if people mattered, Blond & Briggs, Britain.</i>	<i>A Nagraj, 1998, Jeevan Vidya EkParichay, Divya Path Sansthan, Amarkantak.</i> <i>A N Tripathy, 2003, Human Values, New Age International Publishers.</i>
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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%)#
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
-	-	<i>Dr. Supraja P, UHV University Coordinator, SRMIST</i>
		<i>Dr. Sathish K, HOD, Department of Career Guidance Cell, FSH, SRMIST</i>
		<i>Dr. Sweetly Bakyarani E, Department of Computer Science, FSH, SRMIST</i>

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	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)
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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																		
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:	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:	பண்டைத் தமிழ்ச் சமூகத்தின் அக, புற வாழ்வியல் இன்றைய சமூக மேம்பாட்டிற்கு வழிகாட்டி நிற்பதை அறிந்துகொள்ளுதல்	2	75	60	H	L	H	M	H	H	L	M	H	M	L	H	-	-	-
CLO-2:	தமிழ்ச் சமூகம் அறத்தை வலியுறுத்திய சமூகம் என்பதன் வழி மானுட அறத்தைத் தெரிந்துகொள்ளுதல்	2	80	70	H	M	H	L	M	H	L	H	M	L	H	H	-	-	-
CLO-3:	பக்தி இலக்கியம் மூலம் இறைத் தந்துவங்களை அறிந்து மானுட ஒற்றுமை மேம்பாட்டை அறிந்துகொள்ளுதல்	2	70	65	H	L	H	M	H	H	M	H	L	H	M	H	-	-	-
CLO-4:	தொல் தமிழ்ச்சமூகம் இலக்கியம், அரசியல், அறம், பக்தி ஆகியவற்றில் தழைத்தோங்கியதைத் தெரிந்துகொள்ளுதல்	2	70	70	H	M	H	L	H	M	M	H	H	L	H	H	-	-	-
CLO-5:	வாழ்வியலின் நெறிகளைச் சொல்லும் கதைகளைப் படைக்கும் திறனோடு மொழி ஆளுமையையும் அறிந்துகொள்ளுதல்	2	80	70	H	M	H	H	M	H	L	M	H	L	H	H	-	-	-

Duration (hour)	12	12	12	12	12
S-1	SLO-1	காலந்தோறும் தமிழ் அகத்திணை மரபு	சங்க மருவிய காலம்	பல்லவர் காலம்	பண்டைக்காலத் தமிழகம்
	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 வான்சிறப்பு (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	ஐம்பெருங்காப்பியங்களின் 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	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 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/
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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 Understand	30%	30%	30%	30%	20%	20%	20%	20%	30%	-
Level 2	Apply Analyze	40%	50%	50%	40%	50%	50%	50%	50%	50%	-
Level 3	Evaluate Create	30%	20%	20%	30%	30%	30%	30%	30%	20%	-
	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. Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvanniyur, Chennai – 600 041.	1. 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
		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	ULH23G02T	Course Name	HINDI-II	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)
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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 knoeledge through poetry				H	H	H	M	L	H	L	M	L	L	H	M	-	-	-
CLR-4:	Media based understanding for employability				H	H	H	M	L	H	H	M	L	L	H	M	-	-	-
CLR-5:	Job Oriented writing skills				H	H	L	H	M	H	L	H	H	M	H	H	-	-	-

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
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)	12	12	12	12	12
S-1	SLO-1	BHAKTI KALIN KAVITA	RITI KALIN KAVITA	ADHUNIK KAVITA	VIGYAPAN
	SLO-2	BHAKTIU KALIN KAITA KI AVADHARNA	AVADHARNA	AVADHARNA	AWADHARNA
S-2	SLO-1	SWARUP	SWARUP	SWARUP	ARTH
	SLO-2	MAHATVA	RITI KAL VIBHAJAN	MAHATVA	PARIBHASHA
S-3	SLO-1	UDDESHYA	MAHATVA	UDDESHYA	SWARUP
	SLO-2	BHAKTIKAL KI PRASANGIKTA	UDDESHYA	MATHLI SHARAN GUPT- NAR HO NA NIRASH KARO MAN KO	VIGYAPAN KE PRAKAR
S-4	SLO-1	DOHE- KABIRDAS	DOHE- BIHARI	KAVI PARICHAYA	VIGYAPAN KI VISHESHTAYEN
	SLO-2	SANT PARICHAY	KAVI PARICHAYA	KAVITA KA VISLESHAN	VIGYAPAN MANG
S-5	SLO-1	DOHE KA VISLESHAN	DOHE KA VISLESHAN	ASHAVADI DRISHTIKON	VIGYAPAN KA PRABHAV
	SLO-2	GURU KA MAHATVA	KANAK KA MAHATVA	SANGHARSH KI AOR PRERNA	VIGYAPAN MAHATVA
S-6	SLO-1	GURUTVA SE ISHVARATVA KI AOR	VIPRIT SWABHAV KI CHARCHA	SURYAKANT TRIPATHI NIRALA- VAR DE	VIGYAPAN KI BHASHA
	SLO-2	GURUTVA SE ISHVARATVA KI AOR	PRAKRITI KA ATAL RUP	KAVI PARICHAYA	VIGYAPAN AUR BAZAR
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 VASHTAVIK 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.			3.	BHAKTI ANDOLAN AUR SURDAS KA KAVYA – MANAGER PANDEY
	1.	KABIR – HAZARI PRASAD DWEDI		4.	BIHARI – VISHVNATH PRASAD MISHR
	2.	SURDAS – RAM CHANDRA SHUKL		5.	Aadhunik Vigyapan aur Jansampark – Tareh 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	1. Prof.(Dr.) S.Narayan Raju, Head, Department of Hindi,CUTN, Tamilnadu	1. Dr.S Preeti. Associate Professor & Head, SRMIST
		2. Dr. Md.S. Islam Assistant Professor, SRMIST
		3.Dr. S. Razia Begum, Assistant Professor, SRM IST
		4. Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST

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	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)
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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																		
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 (%)	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	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	H	L	H	H	M	H	M	L	L	H	M	-	-	-
CLO-3 :	To 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 :	To interpret the French language into other language	2	75	90	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	H	H	L	M	M	H	H	M	L	H	M	-	-	-

Duration (hour)	12	12	12	12	12
S-1	SLO-1	Temps libre	Le pronom indéfini on	Vendre	Il faut
	SLO-2	Les activités quotidiennes	Les activités	Les exemples	C'est / Il est
S-2	SLO-1	Les exemples	Les adjectifs interrogatifs	Acheter	Le verbe devoir
	SLO-2	Les activités	Les activités	Les exemples	Les activités
S-3	SLO-1	Les moments de la journée	Les prépositions avec les noms géographiques	Les aliments	Le verbe pouvoir
	SLO-2	Les exemples	Les activités	Les exemples	Le verbe savoir
S-4	SLO-1	Les matières scolaires	Les verbes prendre et sortir	Les emballages	Le verbe vouloir
	SLO-2	Les exemples	Les activités	Les exemples	Les sons
S-5	SLO-1	Les activités	Les sons	Les quantités	Demander et dire le prix
	SLO-2	Les loisirs	Les activités	Les exemples	Les activités
S-6	SLO-1	Les exemples	Parler de ses goûts	Les commerces	Faire des achats
	SLO-2	Les activités	Les activités	Les activités	Expliquer une recette de cuisine
S-7	SLO-1	La fréquence	Parler de ses préférences	les commerçants	Les activités
	SLO-2	Les exemples	Les activités	Les exemples	Les courses
S-8	SLO-1	Les activités	Parler de sa routine	L'impératif	Les activités

	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	Theory:		
	1.	"Nouvelle Génération-AI" Méthode de français, Marie-Noëlle COCTON, P.DAUDA, L.GIACHINO, C.BARACCO, Les éditions Didier, Paris, 2018.	4. https://www.elearningfrench.com/learn-french-grammar-online-free.html
	2.	Cahier d'activités avec deux discs compacts.	5. https://www.lawlessfrench.com/grammar
	3.	https://www.fluentu.com/blog/french/french-grammar	6. 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 (5%)#				
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		Theory	Practice
Level 1	Remember Understand	30%	30%	30%	30%	20%	20%	20%	20%	30%	-	
Level 2	Apply Analyze	40%	50%	50%	40%	50%	50%	50%	50%	50%	-	
Level 3	Evaluate Create	30%	20%	20%	30%	30%	30%	30%	30%	20%	-	
	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. Abigail, 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:	
CLR-1 :	To create awareness on Environment and Renewable and Non-renewable resources		
CLR-2 :	To understand about ecosystem and Biodiversity		
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
CLO-2 :	Understanding about ecosystem and Biodiversity	2	80	70
CLO-3 :	Gathering knowledge on impact of environmental pollution	2	80	70
CLO-4 :	Understanding of different environmental problems	2	80	70
CLO-5 :	Having knowledge on various Environment Protection acts and the impact of human population on environment problems	2	80	65

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	Professional Behavior	Life Long Learning
L	H	L	M	L	H	L	L	L	H	L	M	-	-	M
M	H	L	M	L	H	L	L	L	H	L	M	-	-	M
L	H	L	M	L	H	M	M	M	H	L	M	-	-	M
M	H	L	M	L	H	M	M	M	H	L	M	-	-	M
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	Energy flow in the ecosystem	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		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%	-
Level 2	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
Level 3	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.Arumugam Perumal, Director ARMATS BIOTEK Training and Research Institute, Chennai	Dr.N.Banu, Assistant Professor Bharathi Womens College (Autonomous), Chennai	1. Dr. P. Parthipan, Assistant Professor, Department of Biotechnology, FSH, SRMIST 2. Dr. D. Sankari, Professor and Head, Department of Biotechnology, FSH, SRMIST

Course Code	USS23201T	Course Name	NATIONAL SECURITY – CONCEPTUAL ASPECTS	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Imparting the significance of Nation, state and National Interest	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Imparting the elements of National security	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/PSO-1	PROFESSIONAL BEHAVIOR/PSO-2	LIFELONG LEARNING/PSO-3
CLR-3 :	Understand the Changing nature of the national security concept																		
CLR-4 :	Educate the Challenges to National Security – External and Internal																		
CLR-5 :	Learn about the National Security Analysis																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:																		
CLO-1 :	Acquire knowledge of National security policy	2	75	60	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
CLO-2 :	Acquire a strong knowledge various element of national security	2	80	70	M	H	L	-	-	M	-	M	M	H	-	M	-	-	H
CLO-3 :	Obtain knowledge on defence economics and determinants of defence	2	70	65	H	M	L	-	M	M	L	M	H	L	-	M	-	-	M
CLO-4 :	Gain clear understanding of external and internal challenges of national security	2	70	70	H	L	L	L	M	H	-	M	L	L	-	M	L	M	L
CLO-5 :	Attain strong understanding Concepts and components of National Security analysis	2	80	70	H	L	-	L	M	M	-	M	M	M	-	M	-	-	M

Duration (hour)	12	12	12	12	12
S-1	SLO	Nation	Different type of elements	Changing Nature of the concept of national security	Challenges to National Security
S-2	SLO	Nationalism	Tangible element – Geography	Non- state actor	External – India and neighboring countries
S-3	SLO	State	Location, Weather and climates	Comprehensive Security	Border dispute and security challenges
S-4	SLO	National Interest	Topography, Bouderies, population	Human Security	Maritime Threats, Drug and narcotise, illegal migration
S-5	SLO	National Power	Transport and communication, industrial capacity	Geopolitics, Military geography and Political geography	Financial Funding and Fake currency
S-6	SLO	National Security Policy	Extent of terrorism, Natural resource, financial capability	Geopolitics of modern India	Internal Security – India
S-7	SLO	National Security	Scientific and technological, Military Capability	Defence economics	Cross border terrorism in Jammu and Kashmir
S-8	SLO	Meaning of national security	Intangible elements – Leadership	Determinants of Defence Expenditures, defence and development	North East insurgency
S-9	SLO	Definition of national security	Internal political condition and type of government	Science and technology and national security	Left wing extremism – Naxalism

S-10	SLO	<i>Aim of National security</i>	<i>Social and ethnic Cohesiveness</i>	<i>Space technology, Missile technology, nuclear technology, electronic and cyber security</i>	<i>Religious Radicalization</i>	<i>Objective of Indian foreign policy</i>
S-11	SLO	<i>Importance of National security</i>	<i>Public support, Strategy</i>	<i>Disaster Management</i>	<i>Indian Armed forces in internal security (CAPF, RR & AR)</i>	<i>Principles of Indian foreign policy</i>
S-12	SLO	<i>Elements of National Security</i>	<i>National Morale and character</i>	<i>Armed forces in disaster management</i>	<i>Intelligence agency in internal security (NIA, IB, RAW, CBI)</i>	<i>Evaluation of Indian foreign policy</i>

Learning Resources	1. Murry Williamson, National Security Challenges for the 21st Century 2. Rao Krishna KV, Prepare or Perish : A Study of National Security 1991 3. Das, S T (1987), National Security in Perspective, Gyan Publishing house, New Delhi 4. Nayar VK, Threats from within, Lancer Publicaiton 1992. 5. Chaudhury Rahul Roy, Sea Power and India's Security Brassey's 1995 6. Bobbing Ross and Gordon Sandy, India's Strategy Future, Oxford Press, 1992' 7. SIPRI Year Books Latest Edition.
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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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

S-10	SLO	Earths Movements	Coastal Processes: Erosion	Ocean Tides	Precipitation	Biogeographic factors influencing species distribution
S-11	SLO	Rocks	Coastal Processes: Deposition	Ocean currents	Air Masses	Biodiversity: Species Richness and Endemism
S-12	SLO	Vulcanicity	Coastal Processes: landforms	Coral reefs	Cyclones	Biodiversity: Conservation
S-13	SLO	Volcanoes	Karst Topography: Caves and Sinkholes	Atolls	Anticyclones	Protected Areas
S-14	SLO	Earthquakes	Karst Topography: Underground Drainage	Marine resources	Climatic classification	conservation Strategies
S-15	SLO	Mountain Building	Aeolian Processes: wind erosion and deposition	Human interaction with the oceans	Human Interactions with the climate	Human Interactions with the Biosphere

Learning Resources	1. Singh Savindra, Physical Geography, Pravalika Publications, 2020. 2. Leong Goh, Certificate Physical and Human Geography, Oxford Press, 1995.	3. Holden Joseph, An Introduction to Physical Geography and Environment, Pearson, 2017. 4. NCERT, Fundamentals of Physical Geography, National Council of Education Research and Training, 2014.
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Learning Assessment											
Level	Bloom's Level of Thinking	Continuous 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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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		
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2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
		3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23203J	Course Name	FUNDAMENTALS OF CARTOGRAPHY	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							0	2	5	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies			Data Book / Codes/Standards	Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Foundational understanding of cartography, including its definition, history, and evolving technology.	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Develop skills in working with geographic & projected coordinates and understanding the properties and distortions of map projections.	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	Lifelong Learning
CLR-3 :	Learn to interpret map symbols and appreciate different cartographic techniques																		
CLR-4 :	Learn about data classification, census data creation, and various map types such as symbol, choropleth, isopleth, and flow maps.																		
CLR-5 :	Learn about map design and layout principles and explore the socio-economic aspects of map production and maps in defense applications.																		

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	ICT Skills	Professional Behavior	Lifelong Learning
CLO-1 :	Gain a comprehensive understanding of cartography and maps	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
CLO-2 :	Develop knowledge and skills related to location and map projections	2	80	70	M	H	L	-	-	-	M	M	M	H	H	M	-	-	-
CLO-3 :	Interpret and analyze map symbols and conventional signs, apply cartographic techniques to create thematic maps.	2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	M	H
CLO-4 :	Acquire proficiency in constructing and interpreting profiles.	2	70	70	H	M	L	-	M	H	-	-	-	-	H	L	-	-	L
CLO-5 :	Gain expertise in analyzing climatic data through graphs, applying isopleth mapping techniques	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	M	-

Duration (hour)	21	21	21	21	21
S-1	SLO	Cartography and Maps	Location and Map Projections	Data and Maps	Profiles and Representation of Data
S-2	SLO	Cartography – Definition	Location	Map conventional signs and symbols	Construction and interpretation of Profiles
S-3	SLO	History of Cartography	Latitude, Longitude	Map Appreciation	Serial Profile, Superimposed Profile
S-4	SLO	Development of Cartography	Time zone	Appreciation of Cartographic techniques in SOI sheets	Projected Profile and Composite profile
S-5	SLO	Impact of changing technology	Shape of the Earth	Appreciation of thematic maps of NATMO	Representation of Data
S-6	SLO	Cartography in Future	Coordinate Systems	Census of India	Nominal and Ordinal
S-7	SLO	History and definition of maps	Basic Geodesy	Interpretation of topographical maps	Interval and Ratio
S-8	SLO	Classification of maps	Map Projections	relief features	Census Data Creation
S-9	SLO	Scale	shape, area properties	settlement	Map – Symbols, Dot
S-10	SLO	Accuracy	distance and direction properties	vegetation	Map – Choropleth
S-11	SLO	Types of Scale	Geographic Coordinates	Waterbodies	Map – Isopleth
S-12	SLO	Importance of maps	Projected Coordinates	Land use	Map – Flow Map
S-13	SLO	Maps and its Uses	Cylindrical Projections	Spatial Data Sources	Statistical Mapping Techniques
					Climatic graphs and Layout of Maps
					Climograph
					Taylor's Climograph
					Deviation Graphs
					Rainfall Variability
					Isopleth Mapping
					Map Design and Layout
					Visual interpretation
					Map elements
					Symbolization, lettering, Style, Form, Size and Position
					Socio economic aspects of Map production and reproduction
					Maps in Defence applications
					Cartographic Typography

S-14	SLO	Elements of Map Design	Conical Projections	Data Collection Methods	Spatial Interpolation Methods	Color Theory in Cartography
S-15	SLO	Generalization in Cartography	Azimuthal Projections	Data Quality and Accuracy	Data Aggregation and Disaggregation	Map Composition and Layout Principles
S-16	SLO	Cartographic Visualization Techniques	Map Projection Distortions	Data Representation	Data Smoothing and Filtering	Graphic Design in Cartography
S-17	SLO	Cartographic Communication	Map Projection Selection	Data Classification and Generalization	Thematic Map Design	Interactive Map Design
S-18	SLO	Map Interpretation	Coordinate Reference Systems	Data Visualization Techniques	Cartograms and Proportional Symbols	Cartographic Animation Techniques
S-19	SLO	Cartographic Ethics and Standards	Spatial Reference Systems	Cartographic Data Modeling	Multivariate Mapping	Geovisualization
S-20	SLO	Spatial Data Infrastructure	Georeferencing Techniques	Spatial Analysis Techniques	Cartographic Animation	Designing Maps for Specific User Groups
S-21	SLO	GIS and Cartography	Coordinate Transformation	Data Validation and Verification	Web Cartography and Interactive Mapping	Cartographic Innovations and Future Trends

Learning Resources	<ol style="list-style-type: none"> Dent, B. D., & Torguson, J. (2020). Cartography: Thematic Map Design. Wiley. Dury G.H (1952), "Map Interpretation", Sir Issac Pitman and Sons Ltd., UK Garmier B (1964), "Practical Work in Geography", Edward Arnold Publishers, London Kimerling, A. J., Buckley, A. R., Muehrcke, P. C., & Muehrcke, J. O. (2016). Map Use: Reading, Analysis, and Interpretation. Esri Press. Kraak, M. J., & Ormeling, F. (2019). Cartography: Visualization of Spatial Data. The Guilford Press. Lawrence G.R.P (1971), "Cartographic methods", Methuen and Co., London Robinson, A. H., Morrison, J. L., Muehrcke, P. C., Kimerling, A. J., & Guptill, S. C. (1995). The Elements of Cartography. John Wiley & Sons. Slocum, T. A., McMaster, R. B., Kessler, F. C., & Howard, H. H. (2009). Thematic Cartography and Geovisualization. Pearson
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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	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	-	40%
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	2. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
		3. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

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 alligations, Numbers, time and work			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			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 Behaviour	Life Long Learning
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 alligations, Numbers, time and work and to approach questions in a simpler and innovative method			3	80	70	M	H	-	L	-	M	-	M	M	H	-	H	-	-	-
CLO-2 :		Establish a student's interest and awareness in seating arrangements, mathematical operations, logical reasoning			3	80	75	M	H	-	L	-	M	-	M	M	H	-	H	-	-	-
CLO-3 :		Acquire soft skills that will help for applying jobs			3	85	70	-	-	M	H	M	-	L	-	-	-	H	-	M	M	H
CLO-4 :		Demonstrate various principles involved in aptitude problems			3	85	80	-	-	-	-	M	-	L	H	-	H	-	H	-	-	L
CLO-5 :		Ability to solve problems on reasoning and to interpret English language			3	85	75	-	H	-	L	-	H	-	M	M	-	H	-	M	-	M

Duration (hour)	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 Alligation or Mixture - Problems	Data Arrangements – Problems	Group Discussions - Activity 1	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	Group Discussions - Activity 2	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	How to Handle Criticism and Feedback	Geometry and Mensuration – Problems	Ordering of words – Practise Session

Learning Resources	<ol style="list-style-type: none"> James Barrett & Tom Barrett - Ultimate aptitude tests: over 1000 practice questions for abstract visual, numerical, verbal, physical, spatial and systems tests, Kogan Page, London, 2018. Fourth edition Kathy A. Zahler & Over Drive, Inc (Distributor) Conquering GRE verbal reasoning and analytical writing, McGraw-Hill Education, New York, 2020 Second Edition Archana Ram, Place Mentor: Tests of Aptitude for Placement Readiness, Oxford University Press, Oxford, 2018 	<ol style="list-style-type: none"> David Bartlett, The art of general practice: soft skills to survive and thrive, Scion, Banbury, 2018, eBook, 2018 Zsolt Nagy, Soft skills to advance your developer career: actionable steps to help maximize your potential, A press, Berkeley, CA, 2019, eBook, 2022
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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 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

Course Code	UEN23V01L	Course Name	COMMUNICATION SKILLS	Course Category	AE	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, FSH, SRMIST		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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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:	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 :	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)	12	12	12	12	12
S-1	SLO-1	Introduction to Listening Skills.	Introduction to Reading 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
	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:.
S-2	SLO-1	Introduction to Digital language 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.
	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.	Learning E-mail etiquette.
				Class Assignment - write a formal letter and informal letter and check for e-mail etiquettes in writing.	Explaining why appreciating texts creates a good reader.
					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.	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.	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.:	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	1.	Horizon- English Text Book – Compiled and Edited by the faculty of English Departement, FSH, SRMIST, 2020	4.	R.P. Bhatnagar, English for Competitive Examinations, Trinity Press, 3 rd Edition, 2016
	2.	English Grammar in Use by Raymond Murphy	5.	http://www.aptitudetests.org/verbal-reasoning-test
	3.	Raymond Murphy, Intermediate English Grammar, Cambridge University Press, 2007	6.	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 jmbwilson97@gmail.com	1. Dr. Shanthichitra, Professor, & Head, Department of English, FSH,SRMIST
Ann Mariya Thomson RA2232105010015 II M.A English Literature CSH, SRM IST az1160@srmist.edu.in	Dr. K S Antonysamy Associate Professor and Head, Dept. of English Loyola College Chennai antonysamyks@loyolacollege.edu	2.Dr. Pushpanjali Sampathkumar, Assistant Professor, Department of English, FSH, SRMIST 3.Dr Anchal Sharma, Prof & Hod EFL SRMIST NCR Campus 4.Dr T Sridevi, Assistant Professor English, FSH Ramapuram SRM 5.Dr Shanmuga Priya, Assistant Professor SRMIST Trichirapalli Campus

Course Code	UNS23M01L UNC23M02L UNO23M03L UYG23M04L	Course Name	NSS/NCC/NSO/YOGA	Course Category	M	Mandatory Course	L	T	P	O	C
							0	0	0	2	0

Pre-requisiteCourses	Nil	Co-requisiteCourses	Nil	ProgressiveCourses	Nil
Course OfferingDepartment	NSS/NCC/NSO/YOGA	Data Book / Codes/Standards	Nil		
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	USS23301J	Course Name	DEFENCE ASPECTS OF INTERNATIONAL RELATIONS		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		Defence and Strategic Studies			Data Book / Codes/Standards		Nil																
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning		Program Learning Outcomes (PLO)															
CLR-1:	Imparting the significance of Defense and Strategic Studies					1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Imparting the basic understanding of different aspects of International relations					Level of Thinking (100%) Expected Proficiency (70%) Expected Attainment (60%)			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/PSO-1	PROFESSIONAL BEHAVIOUR	LIFELONG LEARNING/PSO-2
CLR-3:	Understand the causes and principles of state and power systems																						
CLR-4:	Educate the role of Diplomats																						
CLR-5:	Learn about the concepts like types of security																						
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:				2	75	60	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
CLO-1:	Acquire knowledge of war, conflicts and intervention					2	80	70	M	H	L	-	-	M	L	M	M	H	-	M	-	-	H
CLO-2:	Acquire a strong knowledge on state and power system					2	70	65	H	M	L	-	M	M	-	M	H	L	-	M	-	-	M
CLO-3:	Obtain knowledge on settlement of disputes					2	70	70	H	L	L	L	M	H	-	M	L	L	-	M	L	M	L
CLO-4:	Gain clear understanding of peace					2	80	70	H	L	-	L	M	M	-	M	M	M	-	M	-	-	M
CLO-5:	Attain strong understanding on Various international organizations																						
Duration (hour)		18		18		18		18		18		18											
S-1	SLO	Introduction	State and Power system	Theories of International Relations	Diplomacy	Control of International Relations																	
S-2	SLO	Definition	Meaning of National Power	Idealist	Definition	Collective Security																	
S-3	SLO	Meaning	Features of National Power	Basic Assumption	Meaning	Meaning																	
S-4	SLO	Concept of State	Dimensions of National Power	Principles	Nature of Diplomacy	Nature																	
S-5	SLO	Concept of Nation State	Military power	Drawbacks	Objectives of Diplomacy	Features																	
S-6	SLO	Concept of City State	Economic Power	Idealism	Six main devices of Diplomacy	Criticisms																	
S-7	SLO	Components of State	Psychological Power	Features of Idealism	Types of Diplomacy	Advantages																	
S-8	SLO	Population	Methods of Exercising National Power	Short run	Means of Diplomacy	Disadvantages																	
S-9	SLO	Territory	Persuasion	Long Run	Features of Diplomacy	Conditions of Collective Security																	
S-10	SLO	Government	Rewards	Realist	Tools of Diplomacy	Relevance of Collective Security																	
S-11	SLO	Sovereignty	Punishment	Basic assumption	Functions of Diplomats	NATO																	
S-12	SLO	Functions of a state	Force	Principles	Functions	Functions of NATO																	
S-13	SLO	Evolution of State system	Limitations on National Power	Structuralism	Roles	Role of NATO																	
S-14	SLO	Treaty of Westphalia	Elements of National Power	Constructivism	Reporting	Collective Security Treaty Organization																	
S-15	SLO	Non-Aligned Movement	National Interest-Meaning	Elements of Constructivism	Political Reporting	Balance of Power																	
S-16	SLO	Non-Aligned Movement	Components of National Interest	Liberalism	Economic Reporting	Concepts																	
S-17	SLO	India's Role in Non-Aligned Movement	Classification of national interest	Meaning and Concept	Military Reporting	Methods of maintaining Balance of Power																	
S-18	SLO	Relevance of Non-Aligned Movement	Methods for securing National Interest	Components	Protection of Interests	International Law																	

Learning Resources	1.	Palmer and Perkins, International Relations,CBS Publications,2001..	3.	Robert Art and Robert Jervis Eds, The Globalization of World Politics,Oxford Press,2006.
	2.	Baylis John,Steve Smith, and Patricia Owens,The Globalization of World Politics,Oxford University Press, 2011.	4.	Wright Quincy,A Study of International Relations,Irvington Publishers, 1980.
			5.	Morgenthau Hans J,Politics among Nations,Knopf, 1954.
			6.	Sprout and Sprout, International Politics,Princeton 1962

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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23302T	Course Name	MILITARY PSYCHOLOGY	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1:	Imparting the basic aspects of Psychology	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Imparting the basic understanding on Motivation and moral	Thinking (Bloom)	Proficiency (%)	Assessment (%)	Knowledge	Concepts	Related	Knowledge	Application	Knowledge	Thinking	Interpret Data	Skills	Thinking Skills	Communication Skills	PSO-1	PROFES- SIONAL	GO-2	GO-3
CLR-3:	Understanding the factors Military leadership and qualities of good soldier																		
CLR-4:	Educate the fear, panics and courage																		
CLR-5:	Learn about the various aspect of psychological warfare																		

Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:				Level of Thinking	Expected Proficiency	Expected Attainment	Fundamental	Application	Link with Related Disciplines	Procedural	Skills in Specific Areas	Ability to Utilize	Skills in Modern Context	Analyze, Interpret	Investigative	Problem Solving	Communication	Analytical Skills	ICT SKILLS	PROFESSIONAL BEHAVIOR	LIFELONG LEARNING
CLO-1 :	Acquire knowledge of the military psychology	2	75	60	H	M	M	L	-	M	-	M	H	L	L	M	-	-	M				
CLO-2 :	Acquire a strong knowledge on deal with moral and motivation to soldiers	2	80	70	H	M	L	-	-	M	-	M	M	L	L	M	-	-	H				
CLO-3 :	Obtain knowledge of qualities of leader in military command	2	70	65	H	M	L	-	L	M	-	M	L	M	-	L	-	M	M				
CLO-4 :	Gain clear understanding of how deal with fear, panic and different situation	2	70	70	H	M	L	-	M	H	-	H	-	M	-	L	L	-	H				
CLO-5 :	Attain strong understanding psychological warfare components propaganda, rumour and BW	2	80	70	H	M	L	-	M	M	L	L	L	M	-	L	-	M	H				

Duration (hour)		12	12	12	12	12
S-1	SLO	Military Psychology	Moral – Definitions,	Military Leadership – Definitions	Psychological warfare	Information war: Definitions
S-2	SLO	Meaning, Definitions	Elements, Role	Qualities of Leadership and Classification of Leaders	Procedure	Importance and elements
S-3	SLO	DIPR	Importance of moral during, war and peace	Qualites of good soldier	Method and types	Cyber war: Definitions, importance and elements
S-4	SLO	Relevance of Military Psychology to the defence Problems	Motivation definition, factor for motivation	Fear -Defination	Role of Propaganda	Mental Health Problem: Causes
S-5	SLO	Elements of Military Psychology	Discipline : Definitions, Aim, importance, types,	Meaning, characteristics, types and reasons	Importance, types of propaganda	Mental health problem during war
S-6	SLO	Use of military Psychology	Development and methods of maintenance	Methods of overcomes	Rumour: Nature, techniques	Peace, identification (recognition)
S-7	SLO	Problem of adjustment	Espirit-de-corps: Definitions, Elements and Role	Panic in war, causes	Classification, Importance	Treatment
S-8	SLO	Adjustment during the Time of training and in battle field	Importants, of EDC and fighting spirits	Consequences of panic	Role of during war	Major Health Diseases: Anxiety
S-9	SLO	Problems and solutions of Re-adjustment	Methods for the development	Courage: Meaning	Controlling measures	Collective Anxiety
S-10	SLO	Fatigue and its study	Man-Management: Definitions	Importance of Courage	Brain-washing: Methods	War Conversion Hysteria
S-11	SLO	different methods of measuring fatigue,	Meaning, aim, importance	Types of courage	Techniques	War Neurosis
S-12	SLO	Importance of Motivation in the war	Elements of efficient Man-Management	Effecting elements for courage	treatment	Battle Proficiency

Learning Resources	1.	Bartlett FC, Psychology and the Soldier, Cambridge University Press, Cambridge, 1927.	3.	Boring, Edward G, Psychology for the Armed Services, Natraj Publishers, Dehradun, 1945
	2.	Baynes John, Morale : A Study of Men and Courage, Cassell, London 1967.	4.	Chibber ML, Leadership to prevent Military Coup, Lancer International, New Delhi, 1986.
			5.	Copeland Norman, Psychology and the soldier, English Book Depot, Dehradun, 1967.
			6.	Ken gonsalves, Battle psychology and Administration

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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23303J	Course Name	Military Psychology Test		Course Category	C	Discipline Specific Core Course										L	T	P	O	C			
							0	2	5	2	4													
Pre-requisite Courses		Nil	Co-requisite Courses		Nil	Progressive Courses					Nil													
Course Offering Department		Defence and Strategic Studies		Data Book / Codes/Standards		Nil																		
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning			Program Learning Outcomes (PLO)															
CLR-1:	the significance OLQ in officer selection process in Indian armed process				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-2:	Imparting the understanding of Thematic Appreception test																							
CLR-3:	Educate the Word association test																							
CLR-4:	Under stand the different situation reaction test .																							
CLR-5:	Learn about the your self																							
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	ICT SKILLS/PSO-1	PROFESSIONAL RELATIONSHIP	LIFELONG LEARNING/PSO-2	
CLO-1:	Acquire knowledge of fifteen officer like qualities				2	75	60	H	H	L	H	H	H	-	L	M	H	M	L	-	-	H		
CLO-2:	This test understand writing skills, problem solving abilities and decision making process				2	80	70	H	H	-	M	L	M	-	M	L	M	M	L	-	-	M		
CLO-3:	Obtain to measure a cadet subconscious thought processes, attitudes and beliefs.				2	70	65	H	M	M	H	L	M	L	M	H	M	H	L	L	M	H		
CLO-4:	The course of action you take to solve the situation, resources you use and tackle the situation				2	70	70	H	M	L	M	M	H	-	L	-	M	H	L	-	-	H		
CLO-5:	How deep the candidate has knowledge about him, he knows his qualities and shortcoming				2	80	70	H	H	H	M	L	M	-	M	M	M	H	L	-	H	H		
21		21		21		21					21													
S-1	Office like Quality	Thematic Apperception Test		Word Association test		Situation reaction test					Self Description													
S-2	OLQ – 04 factor	Introduction and briefing		Introduction and briefing		Introduction and briefing					SD-Briefing													
S-3	Personal information Question form	TAT test and practice		1-5 WAT Test		1-5 SRT					Parent Opinion													
S-4	PPT- 1	Black and white slide test (1)		6-10 WAT Test		6-10 SRT					Briefing													
S-5	04 Min Story writing	Black and white slide test (2)		11-15 WAT Test		11-15 SRT					Writing													
S-6	Evaluation and discussion	Black and white slide test (3)		16-20 WAT Test		16-20 SRT					Timing													
S-7	PPT-2	Black and white slide test (4)		21-25 WAT Test		21-25 SRT					Discussion													
S-8	04 Min Story writing	Black and white slide test (5)		26-30 WAT Test		26-30 SRT					Teacher opinion													
S-9	Evaluation and discussion	Black and white slide test (6)		31-35 WAT Test		31-35 SRT					Briefing													
S-10	PPT-3	Black and white slide test (7)		36-40 WAT Test		36-40 SRT					Writing													
S-11	04 Min Story writing	Black and white slide test (8)		41-45 WAT Test		41-45 SRT					Timing													
S-12	Evaluation and discussion	Black and white slide test (9)		46-50 WAT Test		46-50 SRT					Discussion													
S-13	Case study and discussion	Black and white slide test (10)		51-55 WAT Test		51-55 SRT					Friend Opinion													
S-14	Group discussion - 1	Black and white slide test (11)		56-60 WAT Test		56-60 SRT					Briefing													
S-15	Group discussion - 2	Black and white slide test (11)		61-65 WAT Test		61-65 SRT					Writing													
S-16	Group discussion - 3	Discussion case study		66-70 WAT Test		66-70 SRT					Timing													
S-17	Group discussion - 4	Blank story-1		71-75 WAT Test		71-75 SRT					Discussion													
S-18	Group discussion-5	Blank story-2		76-80 WAT Test		76-80 SRT					Your self													
S-19	Group discussion – 6	Aim and objective		81-85 WAT Test		81-85 SRT					Briefing													
S-20	Group discussion – 7	Blank story writing		86-90 WAT Test		86-90 SRT					Writing													
S-21	Case Study and Discussion	Case study and discussion		Case Study and discussion		Case study and discussion					Case study and discussion													

Learning Resources	1. SSB interview the complete guide – Dr (CDR) N K Natarajan	3. SSB interviews – (upkar's) Major P N joshi
	2. A sure shot guide to Crack SSB – MAJ GEN VPS Bhajuni VS and Kavita modi	

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 Understand	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
Level 2	Apply Analyze	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
Level 3	Evaluate Create	20%	20%	20%	20%	20%	20%	20%	20%	-	40%
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

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:																																																																																																											
CLR-1 :																		தமிழின் எழுத்து, சொல் வளர்ச்சி வரலாற்றை அறியச் செய்தல்																																																																																																											
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:																																																																																																											
CLO-1 :																		சொற்களைச் சரியான பொருண்மையில் பயன்படுத்தும் திறன் பெறுதல்																																																																																																											
CLO-2 :																		மொழியைப் பிழையின்றி எழுதுவதன் வழி மொழி ஆளுமை பெறுதல்																																																																																																											
CLO-3 :																		வாய்மொழி மரபின் கூறுகள் வழி, மக்களின் வாழ்வியல் விழுமியங்களை அறிந்துகொள்ளுதல்																																																																																																											
CLO-4 :																		அலுவலகப் பயன்பாடு, திறன் மேம்பாடு ஆகியவற்றை நுட்பமாகத் தெரிந்துகொள்ளுதல்																																																																																																											
CLO-5 :																		கவிதை, கதை படைக்கும் ஆற்றலை அறிந்துகொள்ளுதல்																																																																																																											
Duration (hour)																		9																																																																																																											
S-1																		SLO-1																		தமிழின் தொன்மை																		மெய்யெழுத்துகளின் வகைகள்																		வாய்மொழி மரபு, எழுத்து மரபு																		தொடர் அமைப்பு																		காலந்தோறும் கவிதை																	
S-2																		SLO-2																		தமிழின் சிறப்புகள்																		மூவினம்																		வாய்மொழி மரபில் அனுபவம்																		எளிய தொடர்																		கவிதை வடிவம்																	
S-3																		SLO-1																		கருத்து - பரிமாற்றம்																		ஒற்று இடுதல்																		வாழ்வியல் தத்துவம்																		நெடுந்தொடர்																		மரபுக்கவிதை																	
S-4																		SLO-2																		பயன்பாட்டுத்தமிழ்																		வல்லினம் மிகும் இடங்கள்																		பழமொழிகள்																		பத்தி எழுதுதல்																		வசனகவிதை																	
S-5																		SLO-1																		காலந்தோறும் தமிழ்																		வல்லினம் மிகா இடங்கள்																		பழமொழியும் மனித வாழ்வியலும்																		ஒரு பொருளை மையமாகக் கொண்டு எழுதுதல்																		புதுக்கவிதை/ புதிய வடிவக் கவிதைகள்																	
S-6																		SLO-2																		எழுத்துகள் - அறிமுகம்																		எழுத்துப்பிழை நீக்கம்																		பழமொழியின் வடிவம்																		காலந்தோறும் கடிதங்கள்																		கவிதைக் களங்கள்																	
S-7																		SLO-1																		தமிழ் எழுத்து வரலாறு																		பிழை நீக்கி எழுதுதலின் அவசியம்																		வட்டார மொழி																		தமிழில் கடித இலக்கியம்																		கவிதை உள்ளடக்கம்																	
S-8																		SLO-2																		எழுத்துகளின் வரிவடிவம்																		பிழைகளும் மொழிச் சிக்கல்களும்																		வட்டார மொழியில் சொல்வடை																		கடித வகைகள்																		கவிதை எழுதும் முறை																	
S-9																		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 / நட்புக் 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 வெளிப்படுத்தல்	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	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. கதையியல், க. பூரணச்சந்திரன், அடையாளம் பதிப்பகம், சென்னை, 2012. 5. இணைய வழித் தரவுகள் : https://tamilheritage.org/
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	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	30%	30%	30%	30%	20%	20%	20%	20%	30%	-
Level 2	Apply Analyze	40%	50%	50%	40%	50%	50%	50%	50%	50%	-
Level 3	Evaluate Create	30%	20%	20%	30%	30%	30%	30%	30%	20%	-
	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. Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvannamur. Chennai – 600 041.	1. 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	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)														
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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:	To Display moral and social values in the field of religion and communal Unity																		
CLR-4:	To make translation of good literature and any relevant document from the Hindi Language to English and vice-versa																		
CLR-5:	To 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 (%)	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:	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:	To create an awerness on Ramayan	2	80	90	H	H	H	M	L	H	H	M	L	L	H	M	-	-	-
CLO-3:	To Examine the accuracy in Translation	2	75	95	H	H	M	L	H	H	M	H	M	M	H	H	-	-	-
CLO-4:	To Provide technical writing skills	2	80	90	H	H	L	H	M	H	L	H	H	M	H	H	-	-	-
CLO-5:	To evaluate the nuance in essays	2	85	90	M	H	M	H	L	H	H	L	H	M	H	H	-	-	-

Duration (hour)	9	9	9	9	9
S-1	SLO-1 KAHANI	NIBANDH	BAL RAMAYAN	ANUVAD	PARIBHASHIK SHABDAVALI
	SLO-2 AVDHARNA	AVDHARNA	KHATHA VASHTU	AVDHARNA	ARTH
S-2	SLO-1 ARTH	ARTH	AVADHPURI MEN RAM	ARTH	PARIBHASHA
	SLO-2 SWARUP	SWARUP	RAM KE ADARSH KE PRATI PRERIT KARNA	SWARUP	SWARUP
S-3	SLO-1 PARIBHASHA	PARIBHASHA	RAMAYAN KE PRATI RUCHI JAGANA	PARIBHASHA	PRAKAR
	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
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				

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	1. Prof.(Dr.) S.Narayan Raju, Head, Department of Hindi,CUTN, Tamilnadu	1. Dr.S Preeti. Associate Professor & Head, SRMIST
		2. Dr. Md.S. Islam Assistant Professor, SRMIST
		3.Dr. S. Razia Begum, Assistant Professor, SRM IST
		4. Dr.Nisha Murlidharan Assistant Professor, VDP,SRM IST

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				Level of Thinking (Bloom)	1	2	3	Fundamental Knowledge	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																							
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:			Expected Proficiency (%)	Expected Attainment (%)																		
CLO-1 :	To acquire knowledge about French language				2	75	80	H	M	H	H	M	H	H	L	M	M	M	H	L	-	-	-	
CLO-2 :	To 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 :	To 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 :	To 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 :	To 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)	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	Repérer le présent
S-3	SLO-1	Comprendre un TP	Les examens	-La recherche de stage -	Les activités
	SLO-2	Les exemples	Les activités	Le passé composé et	Comprendre un texte technique-
S-4	SLO-1	-Suivre un protocole expérimental -	-Donner des conseils	Les exemples	Les activités
	SLO-2	Les activités	Les exemples	Le futur dans un texte	Relever des arguments dans un texte-
S-5	SLO-1	Lire des équations chimiques -	-Écrire et comprendre un sms -	Le stage en France	Les activités
	SLO-2	Les activités	Comprendre une interdiction	- Le rapport de stage et le domaine des carburants -	Les exemples
S-6	SLO-1	Identifier des formules chimiques à l'oral	Les activités	Le CV français	Les activités
	SLO-2	Les exemples	-Donnez des consignes -	Les exemples	Le stage
S-7	SLO-1	- L'infinifit pour exprimer un ordre ou	Les exemples	La lettre de motivation-	Les activités
				Comprendre une offre de stage	Les exemples
					La méthode du plan détaillé-

	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:		3.	https://www.elearningfrench.com/learn-french-grammar-online-free.html
	1.	"Tech French" French for Science and Technology, Ingrid Le Gargasson, Shariva Naik, Claire chaize, Les éditions Didier, India, 2011.	4.	https://www.lawlessfrench.com/grammar
	2.	https://www.fluentu.com/blog/french/french-grammar	5.	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 (5%)#			
		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	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. Abigail, Assistant Professor, SRMIST, VDP

Course Code	ULM23AE1T	Course Name	Mandarin - I	Course Category	G	Ability Enhancement Courses	L	T	P	O	C
							1	0	2	2	2

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

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1:	Recall Chinese Pinyin, tones, scripts and greetings.	1	1
CLR-2:	Construct simple affirmative, negative, interrogative sentences with Chinese grammar. Apply numbers translate time and date in Chinese	2	2
CLR-3:	Apply basic grammar asking about nationality, direction, location.	3	3
CLR-4:	Translate sentences with more vocabulary knowledge.		4
CLR-5:	acquire knowledge about Chinese festival and city.		5
Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	6
CLO-1:	To acquire the phonetics knowledge.	2	7
CLO-2:	To learn the Chinese scripts.	2	8
CLO-3:	To make the students acquire the basic conversational skill in Chinese.	2	9
CLO-4:	To enable students to know about China and Chinese culture.	2	10
CLO-5:	To create an advantageous situation for the students to have better opportunity for Employability by companies in association with China/ Chinese market.	2	11

Duration (hour)	9	9	9	9	9
S-1	SLO-1 General discussion about china, Chinesespeaking countries, Chinese culture.	Introduction of Chinese characters	The basic sentence patterns in Chinese	Practice of characters	北, 南, 东, 西
	SLO-2 General discussion about Chinese culture.				
S-2	SLO-1 Introduction of initials and finals in Mandarin	The eight basic strokes of characters	S-V-O sentences with detailed examples. Framing simple sentences	Numbers in Chinese.	Directions with examples
	SLO-2 Introduction of initials and finals in Mandarin	Different examples of characters			
S-3	SLO-1 Tables of combination of initials and finals in Putonghua(Mandarin)	Chinese characters with proper stroke orders-Basic greetings	Introduce 是 and 不是	Counting numbers and numeric system	Chinese monetary system
	SLO-2 Tables of combination of initials and finals in Putonghua(Mandarin)	Writing characters with proper stroke order	Framing of basic interrogative sentences with modal particle 吗。	Practice of writing characters	Counting Chinese currency and practice
S-4	SLO-1 Tables of combination of initials and finals in Putonghua(Mandarin)	Writing characters with proper stroke order	练习		
	SLO-2 Tables of combination of initials and finals in Putonghua(Mandarin)	Practice of characters	Asking your need	练习	Counting Chinese currency examples
S-5	SLO-1 Tables of combination of initials and finals in Putonghua(Mandarin)		Conversation	Exercises	Seasons in Chinese
S-6	SLO-1			Converting numbers	

	SLO-2	Tables of combination of initials and finals in Putonghua(Mandarin)	Sentence structure with the adjective 很 and Framing sentences, negative of 很。	Introduction of few basic W/H words and framing basic interrogative sentences	Lianxi	major cities of china
S-7	SLO-1	Introduction of tones in Chinese language	Introduction of adverb 也, Interrogative particle 呢, application & Usages.	Nationality	Weekdays- month- Date	famous festivals of China
	SLO-2	Four Tones and related pronunciation.		Asking about nationality		练习
S-8	SLO-1	Tones and 一, 不 in Chinese Tones discrimination in Chinese	Possessive/ Structural Particle 的, application of 的 with pronouns. Writing Chinese characters 练习	Practice of characters	Time & time related greetings	Exercises
	SLO-2	Basic greetings and phrases used in daily life (in pinyin)				Practice of characters
S-9	SLO-1	Practice of Tone	basic conversation related to greetings	Asking simple question	Practice of characters	练习
	SLO-2	Practice of Tone	Writing greetings in characters with proper stroke order	练习	Practice of characters	Lianxi

Learning Resources	Theory: New Practical Chinese Readers Textbook (1) - Beijing Language and cultural university press
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CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Learning Assessment												
	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)								Attendance (5%)	Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (5%)#			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 %		

Course Designers		
Experts from Industry	Expert from Higher Technical Institutions	Internal Experts
1. Ms. Woan Yuh Zoe Tsai	1. Dr. Kavitha Nair, Hod , EFL	1. Ms. Poulomi Ghosal
		2. Ms Ling Yun Tsai

Course Code	USS23G01J	Course Name	FUNDAMENTALS OF NATIONAL SECURITY	Course Category	G	Generic 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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Understand the concepts of state,nation-state	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Impart the significance of security structure																		
CLR-3 :	Learn about the necessary instruments required to secure a nation																		
CLR-4 :	Understand how to identify and assess the threat																		
CLR-5 :	Learn about the defence policy of a nation																		

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	ICT SKILLS/PSO-1	PROFESSIONAL RELATIONSHIP	LIFELONG LEARNING/PSO-2
CLO-1 :	Acquire knowledge of different responsibility of a nation,nation-state	2	75	60	H	L	-	M	L	M	-	M	M	M	L	L	-	L	H
CLO-2 :	Learn whether the existing security structure is sufficient to handle modern threats	2	80	70	M	H	L	-	-	M	-	M	M	H	-	M	-	-	H
CLO-3 :	Understand how the national power can be ensured by using the instruments	2	70	65	H	M	L	-	M	M	L	M	H	L	-	M	-	-	M
CLO-4 :	Gain clear understanding regarding the nature of the threat.	2	70	70	H	L	L	L	M	H	-	M	L	L	-	M	L	M	L
CLO-5 :	Attain strong understanding as to why the defence policy is crucial to any nation	2	80	70	H	L	-	L	M	M	-	M	M	M	-	M	-	-	M

Duration (hour)	18	18	18	18	18
S-1	SLO	Introduction	Spectrum of Threats	Instruments of National Security	Mechanics of National Security
S-2	SLO	Concepts	Meaning	Scope	Meaning
S-3	SLO	State	Definition of Threats	Power	Threat Perception..
S-4	SLO	Nation State	National Security Paradigm	National Power	Threat Assessment
S-5	SLO	National Security: Origin	Security Structure	Military power	Threat Analysis
S-6	SLO	National Security: concept	Army Structure	Components of military power	Cross Border Terrorism
S-7	SLO	National Security: Objectives	Navy Structure	Military Preparedness	Insurgency and Naxalite Movement
S-8	SLO	India's National Values	Air Force Structure	Defence Preparedness	Cyber Crime
S-9	SLO	Nationalism and National Security	Structure of Central Armed Paramilitary Forces	Military Capability	Cyber Warfare and Cyber Defence
S-10	SLO	Regional Security	Conceptual Framework of National Security	Morale	Drug Trafficking
S-11	SLO	Collective Security	National Interest	Training	Human Trafficking
S-12	SLO	Comprehensive Security	National Interest and National Security	Weapons	Water Security
S-13	SLO	Littoral Security	Border Security Force	Power Projection	Elements of National Security
S-14	SLO	Coastal Vulnerabilities	Role of Border Security Force	Diplomacy, Information,Military, Economic	Threat Mitigation

S-15	SLO	Island Security	Charter	Show of Force	Left Wing Extremism	India and South East Asia
S-16	SLO	Offshore Security	Role of CAPF's	Size and Composition of Force	Internal threat vs External Threat	India and West Asia
S-17	SLO	Resource Security	Central Industrial Security Force	Deterrence	Energy Security	India and Central Asia
S-18	SLO	Resource Security	Role and Relevance of Central Industrial Security Force	Military Operations	Law Enforcement	India and Afghanistan

Learning Resources	1. Murray Williamson, National security challenges for the 21st century 2. Rao Krishna KV, Prepare or Perish : A study of National Security, 1991.	3. Nayar VK, Threats from Within, Lancer Publications, 1992. 4. Chaudhury Rahul Roy, Sea Power and India's Security, Brassey's, 1995. 5. Bobbing Ross and Gordon Sandy, India's Strategic Future, Oxford Press, 1992.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23S01J	Course Name	FUNDAMENTALS OF AVIATION SECURITY	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	Defence and Strategic Studies	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 overview of international civil aviation security				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-2 :	Imparting the basic about airport security systems				Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Knowledge	Concepts	Fundamental	Application of	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/PSO-1	PROFESSIONAL RESPONSIBILITIES	LIFELONG LEARNING
CLR-3 :	Understand the Acts rules for carriage of arms, deal with emergencies situation							H	L	-	M	L	M	-	M	M	M	L	L	-	L	H		
CLR-4 :	Educate to deal with various security operations							M	H	L	-	-	M	L	M	M	H	-	M	-	-	H		
CLR-5 :	Learn about Cyber security threat for aviation and various Crime in aviation industries							H	M	L	-	M	M	-	M	H	L	-	M	-	-	M		
								H	L	L	L	M	H	-	M	L	L	-	M	L	M	L		
					H	L	-	L	M	M	-	M	M	M	-	M	-	-	M					

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)
CLO-1 :	Acquire knowledge of aviation security and various organization like BCAS and ICAO	2	75	60
CLO-2 :	Acquire a knowledge of various airport operation and security related works	2	80	70
CLO-3 :	Obtain knowledge on technical detective equipment's, sabotage areas and threats	2	70	65
CLO-4 :	Gain clear understanding to deal with various emergencies and contingencies	2	70	70
CLO-5 :	Attain strong understanding on Protecting of aircraft and airport assets and various crimes	2	80	70

Duration (hour)	06	06	06	06	06
S-1	SLO	Overview of International Civil Aviation Security,	Land Side Security- Building	Protection of parked aircraft	Protecting Cargo, Mail & Courier, Behavior- Detection
S-2	SLO	Bureau of Civil Aviation Security	Area Search Procedure	Physical Inspection of Baggage	Insider threat
S-3	SLO	Abbreviation/ airline codes and airport codes	Patrolling and Guarding	Carriage of arms & Ammunition by Air	Profiling
S-4	SLO	Working at the Airport	Screening and searching of passenger and baggage	Emergencies and Contingencies	Cyber Security
S-5	SLO	Acts and Rules, Role of Various agencies	Conventional X-ray	Escorting People & Consignment	Crime and Aviation
S-6	SLO	Access Control-People and Vehicle	Detection Equipments	Protecting aircraft catering uplift	CAPF/ASG/NSG
					Other Airline Security Responsibilities

Learning Resources	1. IATA Aviation Security Manual	2. BCAS aviation Security Manual
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-

	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23P01L	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Guidelines for Internship:

- Students must undergo industrial training after completing Second semester examination for a period of two weeks to four weeks
- Industries can be Micro, Small, Medium or Large Scale
- Students can be engaged in Administration, HRM, Marketing, Sales, Law Firms and Finance Departments, Defence factories and related fields
- Students should submit a acceptance letter from the industry for his/her Internship
- Students must adhere to the rules and regulation of the place of work.
- Students must submit a Training Report along with training certificate. Issued by the industry
- Report should have the following
 - Industry Profile
 - Company Profile
 - Job Profile
 - Internship Training Details
 - Feedback of the Training
- Reporting Format – Minimum of 50 Pages and Maximum of 60 Pages – Times New Roman Font – Font Size – Heading 14 and Content 12 – Line Spacing – 1.5
- Report should be submitted before the end of Fifth Semester
- Report will be evaluated by the Faculty in charge and Viva will be conducted at the end of the Semester
- Marks Will be awarded as follows – Internal Viva 50 Marks and End Semester Viva 50 Marks
- If the Student has chosen this Industrial Training as Elective and Failure to undergo the training or submit the report will treated as failure in that course and the students has to redo in the forthcoming semesters
- Report Submission - One Hardcopy and One Soft Copy has to be submitted through mail in PDF Format. Hardcopy will be returned to the student after completion of End Semester Examination

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

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				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Learn the basic mechanics of Grammar				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 Behaviour	Life Long Learning
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	-	-	-
CLO-2 :	Understand the different parts of speech and use them in sentences appropriately				3	85	75	M	-	-	M	-	H	-	-	-	-	H	-	-	L	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	Change of Speech – Introduction	Presentation – Types and Rules	How to collect, analyse and share Feedback	Creative Writing – Introduction
	SLO-2 Escalator Problem – Tricky Problems	Change of Speech – Rules and Exercises	Presentation – Using Visual Elements	How to collect, analyse and share Feedback	Creative Writing – Elements and Examples
S-	SLO-1 Surds and Indices–	Attention to Details – Introduction	Presentations – Oral & PPT – Mock	Content Writing - Language Skills – Introduction	Copy Writing – Introduction

5		Introduction		Presentation		
	SLO-2	Surds and Indices – Problems	Attention to Details – Benefits and its Importance	Suggestions and Tips to improve	Language Skills – Importance and Practise Session	Copy Writing – Techniques to improve
S-6	SLO-1	Cubes & Cuboids – Introduction	Completing Statements – Introduction	Types of Interviews - Group / Stress / HR – Introduction	Internet Skills – Introduction	Plagiarism - Introduction
	SLO-2	Cubes & Cuboid – Problems	Completing Statements – Types and Rules	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, Quantitative Aptitude for Competitive Examinations, Tata McGraw Hill, 5th Edition 2. Scott Bennett, The Elements of Resume Style: Essential Rules for Writing Resumes and Cover Letters That Work, AMACOM, 2014	3. Raymond Murphy, Intermediate English Grammar, Cambridge University Press, 2007 4. Robert W. Bly, The Copywriter's Handbook, St. Martin's Griffin Press, 3rd Edition
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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	USS23401J	Course Name	GEOPOLITICS AND MILITARY GEOGRAPHY	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1:	Imparting the concepts of military geography	1	1
CLR-2:	Imparting the basic understanding of Geo-politics	2	2
CLR-3:	Understand the various tools used in military geography	3	3
CLR-4:	Educate about the significant position of India		4
CLR-5:	Learn about the concepts like borders, boundaries and frontiers		5

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLO-1:	Acquire a basic understanding	2	75	60	H	M	M	L	-	M	-	M	H	L	-	L	-	-	M
CLO-2:	Acquire a strong knowledge on theories of geo-politics	2	80	70	M	H	H	-	-	M	-	M	M	-	-	M	-	-	M
CLO-3:	Obtain knowledge on the modern instruments of military geography	2	70	65	H	M	L	-	M	M	L	H	M	H	-	L	-	L	H
CLO-4:	Gain clear understanding of position of India from Geo-Strategic viewpoint	2	70	70	H	M	L	-	M	H	-	-	-	-	L	L	L	-	H
CLO-5:	Attain strong understanding on terminologies regarding the borders	2	80	70	H	H	L	L	-	M	-	L	L	M	-	M	-	-	H

Duration (hour)	18	18	18	18	18
S-1	SLO	A study of Geo politics	Buffer and land locked states-Meaning and Concept	Military Geography- Meaning, Concept and Definitions	An Understanding of logistic management, Definitions, meaning and concept
S-2	SLO	Introduction	Problems of landlocked / buffer states	Types of Military Geography- Scope, Significance and Uses	Significance, scope and resource of logistics
S-3	SLO	Meaning and concept	An understanding of geostrategy	Grand Strategy, Strategy and Tactics	Logistics supply chain
S-4	SLO	Fiedl of Geopolitics	Factors of geostrategy – size and shape, Location. Climate, boundaries, life stock and resource, manpower	Meaning concept, Formation of grand strategy	Factors and function of supply chain
S-5	SLO	Evaluation of geopolitical thoughts	Transportation and communication, industrial capacity, economic development, national unity and integrity, Defence Preparedness	Commitment of Grand strategy, Tools of Grand Strategy	Principles of logistic management during war
S-6	SLO	Beginning of the era of geopolitics	GeoStrategy Position and importance: Countries, islands and territories	Tools of Grand Strategy	Principles of logistic management during peace
S-7	SLO	An idea of state	Israel, Afghanistan, Kuwait, , diego Garcia, antractica	Strategy – Process of Planning,	Factors affecting logistics during war
S-8	SLO	Freudrucg Ratzel,	Andaman nicobar	National strategy during war	Importance of Andaman and Nicobar Islands
S-9	SLO	Rudolf kjellen	Lakshadweep	National strategy during peace	Importance of Lakshadweep

S-10	SLO	Karl Haushofer	Siachen Glacier	Aim of strategy	Tri-services command	Indo-Myanmar
S-11	SLO	AT Mahan	qilqit.drass	Aim of tactics	Strategic command	Indo-Bangladesh
S-12	SLO	Alford Mackinder	Galwan, ladkah	strategic action vs tactical action	Defence space agency command.	Geostrategic importance of india maritime boundaries, India's Maritime Strategy
S-13	SLO	Frontiers and boundaries	silguri collider	Role of Geography in Land warfare - Meaning and concept	concept of strategic reserve	India's Maritime Strategy
S-14	SLO	Border, boundary lines, frontier	Doklam	Role of Geography in sea warfare - Meaning and concept	importance land mobility- rail and road infrastructure	india - sri lanka maritime boundary and importance
S-15	SLO	LAC	, Strategy Mineral and resources, Types of Minerals	Role of Geography in air warfare - Meaning and concept	Aircraft carrier and Fleet Support	Indian role in Indian ocean security
S-16	SLO	LOC	Uses of Strategic Minerals and resources	Factors affecting land warfare	importance of SLOC - sea lines of communication	Scope and Significance
S-17	SLO	Maritime Boundaries	Importance of Oil -Petroleum, Natural gas	Factors affecting Sea Warfare	Maritime Trade and Merchant fleet	India's and southeast Asia
S-18	SLO	territorial waters, continental shelf, Contiguous zone, EEZ	Water Crisis	Factors affecting Air warfare	Importance of logistics and berthing agreements, Modernization of A&N	India's Maritime security Interest in the 21st century.

Learning Resources	<ol style="list-style-type: none"> 1. Das ST, Geostrategies, Kitab Mahal, Allahabad, 1985. 2. Earl Meade, Edward, Makers of Modern Strategy, Military Thought from Machiavelli to Hitler, Princeton University Press, Princeton, 1948. 3. William D Puleston, The life and work of Alfred Thayer Mahan, UNS, 1939. 4. Chandler David D, Atlas of Military Strategy, The art, theory and practice of war, 1618-1878, Arms and armor, London, 1996. 5. Black Jermey, Cambridge Illustrated Atlas, Warfare : Renaissance to Revolution 1492-1792, Cambridge University Press, Cambridge, 1996. 6. Dr. M L Sali- Military geography, Manas Publication
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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	
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		
Level 1	Remember	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 2	Understand	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 3	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze										
	Evaluate										
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23402T	Course Name	SCIENCE AND TECHNOLOGY IN WARFARE		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		Defence and Strategic Studies			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 appreciate the use of technology in national security				Level of Thinking (Bloom)	2	Expected Proficiency (%)	75	60	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To understand the new technologies									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/PSO-1	PROFESSIONAL BEHAVIOUR	LIFELONG LEARNING
CLR-3 :	To Understand how electronics play a crucial role									H	-	M	-	-	M	-	M	H	L	-	L	L	-	M
CLR-4 :	To acquaint with the Technologies of Missiles and Drones									M	-	L	-	-	L	-	H	M	L	-	L	-	-	H
CLR-5 :	To gain knowledge about the emerging technologies in India									M	-	M	-	L	L	L	H	L	-	-	M	-	-	-H
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:				2	70	70	H	L	-	M	-	M	-	L	L	M	L	L	-	-	H	
CLO-1 :	Acquire knowledge about the use of technology for national security				2	75	60	H	-	M	-	-	M	-	M	H	L	-	L	L	-	M		
CLO-2 :	Understand the emergence of new technologies				2	80	70	M	-	L	-	-	L	-	H	M	L	-	L	-	-	H		
CLO-3 :	Identify the importance and usage of electronics and warfare associated with it				2	70	65	M	-	M	-	L	L	L	H	L	-	-	M	-	-	-H		
CLO-4 :	Gain clear understanding of Missile Technologies				2	70	70	H	-	L	-	L	M	-	L	L	M	L	L	-	-	H		
CLO-5 :	Understand about Science and Technology base of India				2	80	70	H	L	-	M	-	M	-	L	L	M	-	M	-	L	H		
Duration (hour)		12		12		12		12		12		12		12		12		12		12		12		
S-1	SLO	Relevance of science and technology in national security affairs	Technology and Economic Development	Electronics- meaning & Concept	Missile Technologies and Unmanned aerial vehicles			Emerging Technologies																
S-2	SLO	Difference between Science and Technology	Artificial Intelligence- meaning & Concept	Electronic Component and System	India's Integrated Guided Missile Programme			Role of DRDO, Academia and Private Labs in R&D																
S-3	SLO	Necessity is mother of Invention	Human Intelligence Vs machines	Radars- Meaning and Purpose	Air Defence Missiles and Guns			Stealth Technology- Meaning and Concept																
S-4	SLO	Evolution of Weapons- Stone age to Gun power age	Types of Artificial Intelligence	Functions and Usage of Radar	Ballistic Missiles			Military uses of Stealth Tech																
S-5	SLO	Evolution of Weapons- Gun power age to Nuclear Age	Advantages of AI	Types of Radars	Ballistic Missile Defence and Sea based Ballistic Missile Defence			Human Space Flight Programme																
S-6	SLO	Industrial Revolution	Role of Satellites	Sonars- Meaning and Purpose	Cruise missiles			India's Nuclear Programme																
S-7	SLO	Post Industrial Revolution	Importance of NAVIC	Different types of sonar	Relevance of Supersonic, Hypersonic and Subsonic Cruise Missiles			Satellites Technologies																
S-8	SLO	Dual use Technology	Communication and Information Technology	Sonobuoys and its uses	Cruise missile Defence, Anti Tank Guided Missiles			Submarines and Aircraft Carriers-Different Types andTechnology																
S-9	SLO	Transfer of Technology	Bands of Communication	Undersea Seabed sensons	Unmanned aerial Vehicles-Introduction and Role			AWACS and AEW&CS																
S-10	SLO	Armament technology-Introduction and Future	Link 16 and National Secure Mode	Electronic Warfare- Meaning and Role	Different Types of UAV			Composite Integrated Border Management Systems. Smart Fencing																

S-11	SLO	Transportation and Vehicle Technology	Software Defined Radio	Counter Electronic Warfare	Swarm Drones and Counter Drone Technology	Futuristic Infantry soldier as a system
S-12	SLO	Nanotech, Material Science and Biotechnology	Role of 5G and fibre optic cables in Communication	Electro magnetic Pulse	Future of Drone Technology	Futuristic Revolutionary Technologies

Learning Resources	<ol style="list-style-type: none"> 1. Ajey Lele, Strategic Technology for the Military, New Delhi:Sage,2009. 2. Gopalakrishnan, K.V., Impact of Science and Technology on Warfare, New Delhi: National Book Trust,2003 3. Buzon,Barry., An Introduction to Strategic Studies: Military Technology a International Relations, New York: St.Martin Press,1987. 4. Kelin, John., Space Warfare: Strategy, Principles and Policy' London: Routledge, 2006. 5. Nair, K.K., Space the Frontier of Modern Defence, New Delhi: Knowledge World,2006. 6. Pruthi, R.K.(ed.), Robotic Warfare, Delhi: Prashant Publishing House,2009. 7. Rappert, Brain (ed)., Technology and Security: Governing Threats in the New Millennium, New York: Hamshire, Palgrave Macmillan, 2007.
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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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Madhavoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23403J	Course Name	WEAPON SENSITISATION		Course Category	C	Discipline Specific Core Course										L	T	P	O	C								
																	0	3	3	2	4								
Pre-requisite Courses		Nil		Co-requisite Courses		Nil		Progressive Courses					Nil																
Course Offering Department		Defence and Strategic Studies				Data Book / Codes/Standards				Nil																			
Course Learning Rationale (CLR):		The purpose of learning this course is to:										Learning			Program Learning Outcomes (PLO)														
CLR-1 :		Imparting the significance direction,cardinal points, SLPC and troposheet parts, scales										1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :		Imparting the basic understanding of Indian Geology																											
CLR-3 :		Understand the Type symobles using , conventional and military signs, service protrector, grid reference																											
CLR-4 :		Educate the role of north points, a finding a north, relief and contours																											
CLR-5 :		Learn about the importance of sketching, bearing, map and ground study																											
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	ICT SKILLS/PSO-1	PROFESSIONAL BEHAVIOUR	LIFELONG LEARNING
CLO-1 :		Acquire knowledge of Cardinal points, direction, troposheet and parts, scales and SLPC										2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	-	-	H
CLO-2 :		Acquire a strong knowledge of conventional signs and military signs, service protector and grid										2	80	70	M	H	L	-	-	-	L	M	M	H	H	M	M	-	H
CLO-3 :		Obtain knowledge of north points, finding true north, relief and contours, slope and visibility										2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	-	H
CLO-4 :		Gain clear understanding of troposheets, enlargement and sketching										2	70	70	H	M	L	-	M	H	-	-	-	-	H	L	-	-	H
CLO-5 :		Attain strong understanding bearing and map and ground										2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	L	H
S-1		18		18		18		18		18		18																	
S-1		Section Weapon		Platoon Weapon		Battalion Supporting weapon		Tanks		Naval warships – Destroyer																			
S-2		Khukri/ baynot		HE 36 Grenade, cut pieces and Smoke grenades		7.62MM MMG		Arjun		Frigate																			
S-3		, 9 mm Pistol		Smoke grenades		Technical details		T-90		Submarine																			
S-4		5.56 INSAS RIFLE		Shivalik hand grenade		Uses and roles		T-72		aircraft carrier																			
S-5		5.56 INSAS EXCALIBER		Grenade technical details		30 MM AGL Parts and Ammunition		BMP-2 (ICV)		mine sweeper																			
S-6		5.56 INSAS ASSAULT RIFLE		Grenade uses		Technical details		ARTY Gun		Naval aviation																			
S-7		5.56 INSAS LMG		Type of grenades		Uses and Roles		Self propelled – Pinaka MBRL		Amphibious transport dock																			
S-8		5.56 INSAS FOLDABLE BUTT		Difference in hand grenades and UB grenades		ATGMS		BM-21, Smerch 9K58 MBRL		fleet tanker																			
S-10		UBGL		Technical details		Technical details		M777 BAE system		Landing ship tanks																			
S-11		AK 203,		Ammunition and uses		Uses and roles		105MM Field gun, 130 MM Field Gun and 155 MM Field Gun		Aircraft model – Fighter.																			
S-12		IMI Tavor,		Ammunition 51 MM mortar, 51 mm ammunition and parts		Vidhwansak anti material rifle, 7.62MM Dragunov Sniper rifle, 7.62 MM IMI Galil sniper rifle		UAE – TAPAS BH-201		Bomber, Air To Air Refuelling Aircraft																			
S-13		M4		Technical details		Technical details and ammo		IAI Heron		Interceptors																			
S-14		7.62mm SLR		Uses		Uses and Roles		IAI Searcher.		Transport aircraft																			

S-15	7.62 MM LMG	84 MM Rocket Launcher	81 MM Mortar	Swarm drone,	Helicopter – attack
S-16	SIG 716, UZI	Ammunition	Mines Anti personal mine and anti tank mine, PKT	Army aviation- AH-64, HAL Cheetah and HAL Chetak	Helicopter – Utility
S-17	IMI Negev NG7	Technical details	Communication equipment	HAL prachand, HAL LUH	Helicopter – Reconnaissance
S-18	MP5,MP9	Uses, Types of Drone	Technical details and type, Battle Field Surveillance System	HAL Rudra, HAL Dhruv	AWECS, Radar Jammer, Weapon Locator

Learning Resources	1. NCC manual books Army 2. NCC manual book Navy 3. NCC Manual Book Airforce	4. CRPF Weapon Training Manual 5. Fire arm manual 6. Cadet Handbook SPL subject
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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	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
Level 3	Analyze	20%	20%	20%	20%	20%	20%	20%	20%	-	40%
	Evaluate										
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College (Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Madhavayal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

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)
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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																		
CLR-3:	விமர்சனத்தின் தன்மைகளும் செய்தியறிக்கை தயாரிக்கும் முறையையும் அறியச் செய்தல்																		
CLR-4:	பேச்சுக்கலையின் தனித்துவங்களைப் புரியச் செய்தல்																		
CLR-5:	கணினித்தமிழின் பல்வேறு நுட்பங்களைத் தெரியச் செய்தல்																		

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:	அகராதித்துறை, கலைச்சொல்லாக்கத் துறையைத் தெரிந்துகொள்ளுதல்	2	75	60	H	L	H	M	H	H	L	M	H	M	L	H	-	-	-
CLO-2:	ஊடகங்களில் மொழி ஆளுமையோடு செயல்படும் திறன் பெறுதல்	2	80	70	H	M	H	L	M	H	L	H	M	L	H	H	-	-	-
CLO-3:	கலை, இலக்கிய விமர்சன முறைகளையும், செய்தியறிக்கை தயாரிக்கும் நுட்பங்களையும் தெரிந்துகொள்ளுதல்	2	70	65	H	L	H	M	H	H	M	H	L	H	M	H	-	-	-
CLO-4:	பல்வேறு வடிவங்களைக் கொண்ட பேச்சுக்கலையை அறிவதன்வழி, சிறந்த மேடைப் பேச்சாளராக உருவாகும் தகுதியைப் பெறுதல்	2	70	70	H	M	H	L	H	M	M	H	H	L	H	H	-	-	-
CLO-5:	தமிழைக் கணினி வழி, இணையம் வழி கொண்டுசேர்க்கும் உலகளாவிய செயல்பாடுகளை அறிந்துகொள்ளுதல்	2	80	70	H	M	H	H	M	H	L	M	H	L	H	H	-	-	-

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	அச்சு 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	கேட்டி 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	பேச்சாளர்குரிய 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	செய்தியாளர்குரிய 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	1. அகராதியியல், பெ. மாதையன், தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர், 1997.	4. இணையத் தமிழ், சந்திரிகா சுப்பிரமணியன், சந்திரோதயம் பதிப்பகம், மதுரை, 2020.
	2. பேச்சுக்கலை, ம. திருமலை, மீனாட்சி புத்தக நிலையம், மயூராவளாகம், மதுரை, 2009.	
	3. பேச்சாளராக, அ.கி.பரந்தாமனார், பாரி நிலையம், சென்னை, 1961	5. நேர்காணல், மின்னூலகம், தமிழ் இணையக் கல்விக் கழகம், https://www.tamilvu.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	30%	30%	30%	30%	20%	20%	20%	20%	30%	-
Level 2	Understand										
	Apply	40%	50%	50%	40%	50%	50%	50%	50%	50%	-
Level 3	Analyze										
	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	Expert from Higher Technical Institutions	Internal Experts
1. Dr. P.R.Subramanian, Director, Mozhi Trust, Thiruvannamipur, Chennai – 600 041.	1. 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				Level of Thinking (Bloom)	1	2	3	Fundamental Knowledge	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
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																								
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:				Level of Thinking (Bloom)	1	2	3	Fundamental Knowledge	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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		9													
S-1	SLO-1	HINDI CINEMA		MEDIA AUR HINDI BHASHA		REPORTARJ LEKHAN		FILM REVIEW& VIGYAPAN		PARIBHASHIK SHABDAVALI															
	SLO-2	CINEMA KI AVDHARNA		AVDHARNA		AVDHARNA		ARTH		ARTH															
S-2	SLO-1	UDBHAV		SWARUP		SWARUP		PARIBHASHA		PARIBHASHA															
	SLO-2	VIKASH		MAHATVA		UDDESHYA		SWARUP		SWARUP															
S-3	SLO-1	DOCUMENTRI MOVE KI AVDHARNA		MEDIA MEN BHASHA KA PRAYOG		MAHATVA		AWADHARNA		PRAKAR															
	SLO-2	COMERCIAL MOVE KI AVDHARNA		UTTARDAYITVA		REPORTARJ LEKHAN KE PRATI RUCHI JAGANA		FILM REVIEW KA MAHATTVA		AVADHARNA															
S-4	SLO-1	PRAYOJAN		PRINT MEDIA		REPORTAJ KI BHUMIKA		VIGYAPAN AUR BAZAR		PRAYOJAN															
	SLO-2	UDDESHYA		ELECTRONIC MEDIA		PRAYOJAN		VIGYAPAN AUR ROZGAR		UDDESHYA															
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		PRASHNABHAYASH															

Learning Resources	Edited Book: "PRAYOJAN MULOK HINDI", SRIJONLOK PUBLICATION, 2023, New Delhi.	
	1. Film Banti Hai aur Banati Bhi hai, Lekhika – Sonal, Neolit Publication	3. https://epustakalay.com/book/4858-hindi-patrakarita-by-dr-krishnbihari-mishra/
	2. https://navbharattimes.indiatimes.com/entertainment/movie-review/articlelist/2325387.cms?curpg=3	4. https://hindisamay.com/
		5. 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	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	1. Prof.(Dr.) S.Narayan Raju, Head, Department of Hindi,CUTN, Tamilnadu	1. Dr.S Preeti. Associate Professor & Head, SRMIST
		2. Dr. Md.S. Islam Assistant Professor, SRMIST
		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)														
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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:	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 :	o enable the students to overcome the fear of speaking a foreign language and take position as a foreigner speaking French	2	75	80	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	H	L	H	H	M	H	M	L	L	H	M	-	-	-
CLO-3 :	To 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 :	To interpret the French language into other language	2	75	90	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	H	H	L	M	M	H	H	M	L	H	M	-	-	-

Duration (hour)	9	9	9	9	9
S-1	SLO-1	TOEIC	Les quantificateurs	Les prépositions de lieu	Les verbes irréguliers
S-1	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
S-2	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
S-3	SLO-2	Le pluriel des noms	Les pronoms personnels	Les activités	le conseil
S-4	SLO-1	Les indéfinissables	les pronoms compléments	les aspects-	Les exemples
S-4	SLO-2	Les noms composés	Les activités	Les activités	le reproche
S-5	SLO-1	L'adjectif	pronoms réfléchis	Le présent simple	Les activités
S-5	SLO-2	Les comparatifs	Les activités	Les activités	L'obligation
S-6	SLO-1	les superlatifs	les adverbes	Le présent be+ing	la permission
S-6	SLO-2	les articles définis (the)	Les activités	Les activités	l'interdiction
S-7	SLO-1	les articles indéfinis (a, an)	La place de l'adverbe dans la phrase	Les exemples	la capacité
S-7	SLO-2	Les exemples	Les activités	Le prétérit simple - Le prétérit be+ V-ing	l'incapacité
S-8	SLO-1	Les adjectifs	L'ordre des adverbes	Les exemples	les verbes à particule
S-8	SLO-2				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 5. https://blog.gymglish.com/2022/12/15/basic-french-grammar
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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 (5%)#			
		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	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. Abigail, Assistant Professor, SRMIST, VDP

Course Code	ULM23AE2T	Course Name	MANDARIN -II	Course Category	G	Ability Enhancement Courses	L	T	P	O	C
							1	0	2	2	2

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

Course Learning Rationale (CLR):		The purpose of learning this course is to:		
CLR-1 :	Introducing yourself			
CLR-2 :	Construct simple affirmative, negative, interrogative sentences with Chinese grammar, daily using conversations			
CLR-3 :	Apply basic grammar			
CLR-4 :	Translate sentences with more vocabulary knowledge.			
CLR-5 :	Apply construction and few frequently used words framing sentences			
CLR-6 :	Develop basic knowledge of the language, gain the four language skills, learning, speaking, reading and writing Chinese scripts.			

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	PSO -1	PSO -2	PSO-3

Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:		
CLO-1 :	To make the students improve their Chinese conversational skills, character writing skills and language knowledge.	2	75	60
CLO-2 :	To help students extend their Chinese grammar and vocabulary.	2	80	70
CLO-3 :	To enable students to improve their knowledge about China and Chinese culture.	2	70	65
CLO-4 :	To improve their employability by companies associated with China/ Chinese market.	2	70	70
CLO-5 :	To improve the communication in Chinese language	2	80	70

Duration (hour)	9	9	9	9	9
S-1	SLO-1	Introducing people to each other	Question and answer about time	Question and answer about postcodes	Usage of (还是,但是, 可是, 以后, 以前, 后来, 每,, 如果)-
	SLO-2		Making proposal	练习	examples
S-2	SLO-1	Practice conversations	Expressing affirmation/ negation	Question and answer about telephone number	Usage of the basic verbs and adjectives, sentence with a nominal predicate
	SLO-2		Examples	练习	Examples
S-3	SLO-1	Practice conversations	Expressing affirmation/ negation	Interrogative questions	Usage of the basic verbs and adjectives, sentence with a nominal predicate
	SLO-2		Examples	examples	Examples
S-4	SLO-1	Self-introduction-introducing oneself	Making question with 几,多少	Sentence with a verbalpredicate	Sentence with a subject verbconstruction as its predicate
	SLO-2		Examples	examples	examples
S-5	SLO-1	Lianxi	Introduction of interrogative phrase 多大	Sentence with an adjectival predicate	Sentence with a subject verbconstruction as its predicate
	SLO-2	Receiving a guest		examples	练习
S-6	SLO-1	practice conversations	Telling one's age in Chinese	Verbal measure words	Lianxi
					Activités

	SLO-2			exemples	activities	Introduction and application of few frequently used constructions in Chinese Language
S-7	SLO-1	Question and answer about nationality	练习	Optative verbs	Colours	跟。。。一样,是。。。的,从。。。到。 Usage and exemples
	SLO-2	Question and answers about places	activités	exemples	Usage with exemples	
S-8	SLO-1	Make sentences with 在, and few corelated location words like 这儿·那儿 with example	Making requests	Making sentences in future tense	Different kinds of professions	正在。。。呢,除了。。。以外。 Usage and exemples
	SLO-2	练习		exemples	Exemples	
S-9	SLO-1	Expressing apology	Practice of characters	Making sentences in future tense	Name of the places	练习
	SLO-2	Practice conversations		exemples	Exemples	

Learning Resources	Theory: 1. New Practical Chinese Readers Textbook (1) - Beijing Language and cultural university press
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Learning Assessment												
	Bloom's Level of Thinking	Continuous Learning Assessment(50% weightage)								Attendance (5%)	Final Examination (50% weightage)	
		CLA – 1 (10%)		CLA – 2 (10%)		CLA – 3 (20%)		CLA – 4 (5%)#			Theory	Practice
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice			
Level 1	Remember Understand	30%	30%	30%	30%	20%	20%	20%	20%		30%	-
Level 2	Apply Analyze	40%	50%	50%	40%	50%	50%	50%	50%		50%	-
Level 3	Evaluate Create	30%	20%	20%	30%	30%	30%	30%	30%		20%	-
	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
1Ms. Woan Yuh Zoe Tsai	1. Dr. Kavitha Nair, Hod , EFL	1. Ms. Poulomi Ghosal
		2.Ms Ling Yun Tsai

Course Code	USS23G02J	Course Name	DEFENCE ECONOMICS AND DEFENCE MANAGEMENT	Course Category	G	Generic 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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1 :	Imparts the knowledge of economic impact	1	1
CLR-2 :	To Gain Knowledge about the war potential of the Nation	2	2
CLR-3 :	To Educate about the Defence industrial base	3	3
CLR-4 :	Gain Understanding of the mobilization strategies		4
CLR-5 :	Imparts the understanding of Components involved before framing a defence budget		5

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Program Learning Outcomes (PLO)
CLO-1 :	Acquire knowledge of Economic Impact in Defence Sector	2	75	60	1
CLO-2 :	Acquire a strong knowledge of the capability of a Nation	2	80	70	2
CLO-3 :	Gain Clear Understanding of Military Industrial Complex	2	70	65	3
CLO-4 :	Obtain Strong Knowledge on Mobilization Strategies	2	70	70	4
CLO-5 :	Understand the importance of planning while framing a defence budget	2	80	70	5

Duration (hour)	18	18	18	18	18
S-1	SLO	Defence Economics: Meaning	National Income Analysis	Defence Production and Procurement	Mobilisation of Resources
S-2	SLO	Definition and Scope	War Potential of a Nation	Restructuring of Ordnance Factory board	Domestic Resources
S-3	SLO	Capitalist Economy	Natural, Physical	Defense Public Sector Undertakings	Foreign Resources
S-4	SLO	Communist Economy	Financial Resources	Hindustan Aeronautics Limited	Methods of Mobilization
S-5	SLO	Mixed Economy	Industrial Resources	Bharat Dynamics Limited	War and Peace Time
S-6	SLO	History of Defence Economics	Manpower Resources	Bharat Electronics Limited	Effectiveness in short duration wars
S-7	SLO	Salient features of Indian Economic System	Wartime Economy	Corporatization of OFB's	Mobilization during Nuclear War
S-8	SLO	Economics of War-Adam Smith	Sources of Finance	Private Sector Participation	Principles of Logistics
S-9	SLO	Military Keynesianism	Allocation of National Resources	Role of MSME's	Supply Chain Management
S-10	SLO	Economic Causes of War	Techniques of control and rationing	Foreign Direct Investment in Defence	Management of Integrated Defence Logistics
S-11	SLO	Nature of Modern War	Importance of Price Control and Rationing	Strategic Partnership Model	National Security and International Trade
S-12	SLO	Peace Economy	War Finance-Meaning and Concept	Categories of Defence Procurement	Trade on Dual use Tech
S-13	SLO	Impact of Economic Liberalisation	Domestic and Foreign	Self Reliance in Defence Manufacturing	General Agreement on Trade and Tariffs
S-14	SLO	Impact of Globalization	Economic Warfare in Modern Times	Role of Special Purpose Vehicle	World Trade Organization

S-15	SLO	Defence, Development	Scope and Significance	Make in India Success Stories	Agreement on Trade related aspects of Intellectual Property Rights	Collaboration
S-16	SLO	Disarmament Relationship	National Power	Comparative analysis of Defence Production in India and West	Agreement on Trade Related Investment Measures	Conflict and Markets
S-17	SLO	Impact of Economic Liberalisation	War Making Potential	Role of DRDO	North American Free Trade Agreement	Secondary Economic Benefits
S-18	SLO	Economic Problems of Post War reconstruction	War Potential	Comparative analysis of Defence Research in India and West	SAARC Preferential Trading Agreement	Comparative analysis of Defence budgets across the world

Learning Resources	1. Singh Jasjit, India's Defence Spending, Knowledge World, New Delhi, 2001. 2. SP Gangoly, Fundamentals of Government Budgeting in India, Third Edition, New Delhi, Concept Publishing Company, 2007.	3. HC Bhatia, Public Finance, Vikas Publishing House, New Delhi, 2006. 4. Amiya Kumar Ghosh, Defence Budgeting and Planning in India : The Way Forward, New Delhi, 2006.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Madhavayal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23S02J	Course Name	GLOBAL NAVIGATION SATELLITE SYSTEM	Course Category	S	Skill Enhancement Course	L	T	P	O	C
							1	0	2	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	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 satellite systems and their historical development in the context of global navigation.	1	1
CLR-2 :	Gain insight into the evolution of Global Navigation Satellite Systems	2	2
CLR-3 :	Develop the rationale for accurate satellite position determination.	3	3
CLR-4 :	Gain an understanding of different GNSS constellations and their global coverage.		4
CLR-5 :	Recognize the wide-ranging applications of GNSS in navigation, precision agriculture, transportation, timing, defence, and other fields.		5

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Program Learning Outcomes (PLO)
CLO-1 :	Understand the fundamentals of satellite systems and their historical development in the context of global navigation.	2	75	60	1
CLO-2 :	Gain insight into the evolution of Global Navigation Satellite Systems	2	80	70	2
CLO-3 :	Develop the rationale for accurate satellite position determination by studying GNSS positioning techniques, coordinate systems, and error mitigation methods.	2	70	65	3
CLO-4 :	Recognize the characteristics and global coverage of different GNSS constellations	2	70	70	4
CLO-5 :	Apply GNSS technology to various real-world applications	2	80	70	5

Duration (hour)	09	09	09	09	09
S-1	SLO	History of Navigation systems	Introduction to GNSS	Satellite Position Determination	GNSS Constellations
S-2	SLO	History of Satellites	Historical Development	GNSS positioning techniques	GPS
S-3	SLO	Types of satellites	Evolution of GNSS technologies	Precise Point Positioning (PPP)	GLONASS
S-4	SLO	Orbit and Description	GNSS Signals	Real-Time Kinematic (RTK)	GALILEO
S-5	SLO	Satellite Frequency Bands	Frequency Bands	Geodetic datum in GNSS	IRNSS (NAVIC)
S-6	SLO	Satellite Velocity	GNSS: Space segment	Coordinate systems in GNSS	IRNSS (NAVIC)
S-7	SLO	Orbital Period	Ground Segment	GNSS augmentation systems (e.g., SBAS, GBAS)	Beidou
S-8	SLO	Satellite Systems	Control Segment	GNSS signal processing and receiver design	Multi-constellation GNSS
S-9	SLO	Satellite Launch and Deployment	GNSS Modernization and Upgrades	GNSS Error Sources and Mitigation Techniques	Applications of GPS

Learning Resources	1. Grewal, M. S., Andrews, A. P., & Bartone, C. (2013). Principles of GNSS, Inertial, and Multisensor Integrated Navigation Systems. Artech House. 2. Kaplan, E. D., & Hegarty, C. J. (2006). Understanding GPS: Principles and Applications. Artech House. 3. Leick, A. (2004). Introduction to GNSS: Global Navigation Satellite Systems. Wiley.	4. Parkinson, B. W., & Spilker Jr., J. J. (1996). Global Positioning System: Signals, Measurements, and Performance. American Institute of Aeronautics and Astronautics. 5. Parkinson, B. W., & Spilker Jr., J. J. (1996). Satellite Navigation Systems: Policy, Commercial, and Technical Interaction. Springer. 6. Teunissen, P. J. G., & Montenbruck, O. (2013). GNSS Applications and Methods. Walter de Gruyter.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai		1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai		2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Madhavayal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
		3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	UCD23V06T	Course Name	Career Readiness and Leadership Management	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:		
CLR-1 :	Enable students to understand reasoning skills and mathematical concepts			
CLR-2 :	Prepare students for job interviews			
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			
CLO-2 :	Face interviews confidently			
CLO-3 :	Develop comprehension and interpretation skills			
CLO-4 :	Use design thinking as a strategy			
CLO-5 :	Assist students in choosing a career path during their course			

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	Professional Behavior	Life Long Learning
H	M	-	-	-	M	-	H	-	H	-	H	M	-	-
-	-	M	-	M	-	-	-	L	-	H	-	-	H	H
H	M	-	M	H	-	M	-	-	-	-	M	-	H	M
H	-	M	M	-	H	-	-	-	M	-	H	-	H	M
-	M	M	-	H	-	M	-	-	-	H	-	-	H	H

Duration (hour)	6	6	6	6	6
S-1	SLO-1 Partnership	Self-Image and Self-Presentation	Extmpore Practice Session	Entrepreneurship - Introduction	Decision Making
	SLO-2 Partnership related solving problems	Etiquettes	Extmpore Practice Session	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 Paragraph	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	1. <i>Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata McGraw Hill, 5th Edition</i>	4. <i>Bhatnagar R P, English for Competitive Examinations, Trinity Press, 2016.</i>
	2. <i>Dr. Agarwal.R.S, Quantitative Aptitude for Competitive Examinations, S. Chand and Company Limited, 2018 Edition</i>	5. <i>Craig E Johnson, Meeting the ethical challenges of leadership, Sage publications, 2018</i>
	3. <i>Edgar Thrope, Test of Reasoning for Competitive Examinations, Tata McGraw Hill, 6th Edition</i>	6. <i>Allan R Cohen, David L Bradford, Influence without authority, Wiley, 2018</i>
		7. <i>T V Rao, Managers who make a difference: Sharpening your management skill, Random House India, 2016</i>

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 Vidyapeedam, Coimbatore</i>	<i>Dr. Sathish K, HOD, Department of Career Guidance Cell, FSH, SRMIST</i>
		<i>Ms. Deepalakshmi S, Assistant Professor, Department of Career Guidance Cell, FSH, SRMIST</i>

Course Code	UMI23M01L	Course Name	My India Project	Course Category	M	Mandatory Course	L	T	P	O	C
							0	0	0	0	0

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
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Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards	Nil
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(Assessment Method – Fully Internal)

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

Semester V

Course Code	USS23501J	Course Name	SPECIALIZED WARFARE	Course Category	C	Discipline Specific Core Course	L 3	T 0	P 3	O 2	C 4
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Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):		The purpose of learning this course is to:		
CLR-1:	Understand the psychological aspects of warfare			
CLR-2:	Imparting the basic understanding of control measures			
CLR-3:	Understand the basic concepts of Guerilla warfare			
CLR-4:	Educate the evolution of nuclear warfare			
CLR-5:	Learn about the importance of cyber warfare			

Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:		
CLO-1:	Learn the tools used in the psychological warfare			
CLO-2:	Acquire a strong understanding on how the chemical and biological systems have to be dealt with			
CLO-3:	Obtain knowledge on tactics used in the guerilla warfare			
CLO-4:	Gain clear understanding nuclear warfare and its proliferation			
CLO-5:	Attain strong understanding on how cyber space plays an important aspect			

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/PSO-1	PROFESSIONAL RELATIONSHIP 2	PROFESSIONAL LEARNING/PSO-3
H	M	-	-	M	M	L	M	M	-		M	L		H
H	-	-	M	-	M	-	L	L	M	L	M	-	-	M
H	-	-	M	M	L	-	L	M	L	-	M	-	-	M
H	-	-	M	M	L	-	L	M	L	-	M	-	-	M
H	-	L	M	M	L	-	L	M	L	-	M	-	L	M

Duration (hour)	18	18	18	18	18
S-1	SLO	Psychological Warfare	Biological and Chemical Warfare	Guerilla Warfare	Nuclear Warfare
S-2	SLO	Definition and Nature	Concepts	Concepts	Concept
S-3	SLO	Significance	Objectives	Objectives	Origin
S-4	SLO	Propaganda	Characteristics	Characteristics of Guerilla Warfare	Development of weapons
S-5	SLO	Types of Propaganda	Chemical Warfare in World War I	Hit and run Tactics	Fission Process
S-6	SLO	Grey Propaganda	Chemical Warfare in World War II	Tactics of Shivaji	Fusion Process
S-7	SLO	Black Propaganda	Usage of Depleted Uranium	Tactics of Mao Tse Tung	Impact- Hiroshima A Case Study
S-8	SLO	White Propaganda	Chemical Warfare in Vietnam War	Tactics of Che Guevara	Impact- Nagasaki A Case Study
S-9	SLO	Rumour, Pipedream	Usage of Napalm	Tactics used in Vietnam War	Proliferation of Nuclear Weapons
S-10	SLO	Bogey, Wedge driving	Agent Orange	Limitations to Guerilla Warfare	Effects of Nuclear Explosion
S-11	SLO	Impact of Propaganda	Agents in Chemical Warfare	Insurgency	Nuclear Winter
S-12	SLO	Methods of Propaganda	Non-Lethal Chemical Weapons	Meaning	Nuclear Flash
S-13	SLO	Brainwashing, Rumour-	Biological Warfare	Nature and Definition	Thermal Radiation
S-14	SLO	Nature and Effects	Usage in Ancient and Modern World	Definition	Nuclear Radiation
					Propaganda

S-15	SLO	Counter-propaganda	Agents of Biological Warfare	Insurgency in North East	Effects of Hiroshima	Deception
S-16	SLO	Techniques	Lab Based Biological Warfare Agents	Impact	Effects of Nagasaki	Sabotage
S-17	SLO	Case study of 1962, Sino Indian War	Nature Biological Warfare Agents	Insurgent Groups	Thermo Nuclear Bombs	Importance and Relevance
S-18	SLO	Galwan conflict	Sulphur Based Weapons	Counter Insurgency	Dirty Bombs	Case study of Russia-Ukraine conflict

Learning Resources	1. Philip M Taylor, Munitions of the mind :War Propaganda from the ancient world to the nuclear age,Wellingborough,1990.	3. Brown FJ, Chemical Warfare :A study in the restraint,Princeton,1968.
	2. Walter Laqueur,Guerilla Warfare, 1977.	4. Asprey Robert B,War in the shadows,luniverse,1975. 5. Freedman Lawrence,The Evolution of Nuclear Strategy,Palgrave,1981.

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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23502J	Course Name	STRATEGIC THOUGHT		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		Defence and Strategic Studies		Data Book / Codes/Standards																					
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning			Program Learning Outcomes (PLO)																
CLR-1 :	Imparting the significance of Strategic thoughts ancient to modern thoughts				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CLR-2 :	Imparting the basic understand of art of war various and political theory							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/PSO-1	PROFESSIONAL RELATIONSHIP	LIFELONG LEARNING/PSO-3
CLR-3 :	Understand the Modern warfare and various tactics and strategy																								
CLR-4 :	Educate the modern warfare strategy and theories																								
CLR-5 :	Learn about the defensive and offensive strategy for operation																								
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:				2	75	60	H	M	M	L	-	M	-	M	H	L	-	L	-	-	M		
CLO-2 :	Acquire a strong knowledge philosophy war and the arts of war				2	80	70	M	H	L	-	-	-	L	M	M	L	H	M	-	-	-	M		
CLO-3 :	Obtain knowledge modern warfare and various theory				2	70	65	M	M	M	-	L	L	-	H	M	L	M	L	L	-	-	M		
CLO-4 :	Gain clear understanding of air warfare and mechanized warfare.				2	70	70	H	-	L	-	M	H	-	-	-	-	-	L	-	-	-	M		
CLO-5 :	Attain strong understanding the heart land theory and naval warfare.				2	80	70	H	-	-	M	-	M	-	L	L	L	-	M	-	L	M			
Duration (hour)		18		18		18		18		18		18		18		18		18		18		18			
S-1	SLO	Introduction – Strategic Thoughts		Napolean Bonapate _		Maj Gen JFC fuller-		Fundamental of naval doctrine		John Foster Dulles															
S-2	SLO	Kautilaya's Philosophy of war		Grand amee -corp formation		Armour warfare		Douglas Macarthur		Concept of massive retaliation															
S-3	SLO	Alexander the great		Gustavas Adolplus		Capt Basil Henry Liddell Hart-		Father of Triphibious Operations		Andre Beaufre															
S-4	SLO	Strategy and Tactics		Combined armed wafare and military logistics		Strategy of indirect approach		Admiral karl dönitz		The Concept of Deterrence and strategy															
S-5	SLO	Sun Tzu – The Arts of war		Frederick The great		General William Lendrum Mitchell		German wolf pack strategy - u boats		Robert macnamara															
S-6	SLO	Niccole De Bernardo Dei Machiavelli		Mobile artillery and cavalry		USA air power theory		Sergey Georgyevich Gorshkov		Concept of mutually assured destruction															
S-7	SLO	role of leadership and standing army		Alexander Hamilton		General Giulio Douhet		Soviet Submarine warfare		Henry Alfred Kissinger															
S-8	SLO	Genghis khan		Military manuvres and artillery tactics		Italian Air power theorist		Concept of Guerrilla war		nuclear weapons and foreign policy															
S-9	SLO	Use of cavalry		Field Marshal Alfred von Schlieffen		Alexander Seversky		Chatrapathi shivaji Maharaj		Yehoshafat Harkabi															
S-10	SLO-1	Carl Philipp Gottfried Von Clausewitz's –		Schlieffen plan- mobilization & rail road		Victory through airpower-Soviet concept		Guerilla Warfare at land and Sea		Israeli strategic thought															
S-11	SLO-1	Political Aspects of war and center of Gravity		Enrich Friedrich withelm Ludendorff		General schwarzkopf		Mao -Tse - Tung		Sardar vallabhai patel															

S-12	SLO-1	Sebastien Le Prestre Seigheur De Vauban	Concept of infantry fire power	Concept of strategic bombing	On guerilla warfare	Unification of india - iron handed policy
S-13	SLO-1	Military engineering and fortification	Field marshal Johannes Erwin Eugen Rommel	Israeli Air force concept	GEN Võ Nguyên Giáp	Krishnaswamy Subrahmanyam
S-14	SLO-1	Antoin Henri Baron De Jomine	Infantry tactics and Tank warfare in Desert	Role of multipurpose aircraft as force multiplier	The Military Art of People's War	India's nuclear deterrence and India's nuclear doctrine
S-15	SLO-1	Marshal Ferdinand Jean MARIE FOCH	marshal Georgy zhukov	Indian air force doctrine	Concept of counter insurgency	India's military strategy
S-16	SLO-1	five Principals of war	counter offensive tactics	Concept of strategic use of air power.	David Galula	Cold start war strategy
S-17	SLO-1	Gerhard Johann David von Scharnhorst	Gen sundarji doctrine	Modern concept of Air Warfare strategy	Counterinsurgency Warfare: Theory and Practice	Joint forces Doctrine and strategy
S-18	SLO-1	Concept of general staff and higher military organization	Concept Holding corps and Mechanized divisions	Strategy of Drone warfare	Israeli concept of counter insurgency warfare	Covert operations strategy and Doctrine of Strategic convergence and interest.

Learning Resources	1. Western military thinkers (1977) R C Choudhary, chand prakash and brothers, hapud.	2. Modern strategic thoughts (2015) Dr Girish singh Sinha, sharda pustak bhawan 3. Art of war (1998) Chandra prakash and brothers, hapud.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23503J	Course Name	FIELD CRAFT AND BATTLE CRAFT	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							0	2	5	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1:	Imparting the significance field craft and battle craft in daily battle procedure	1	1
CLR-2:	Imparting the basic understanding for landmarks and targets, camouflage and concealment	2	2
CLR-3:	Understand the Type fire movement, fire discipline and control, scouts and patrols.	3	3
CLR-4:	Educate the field signals and section formation and platoon formation		
CLR-5:	Learn about the section battle drills, knots lashings, ambush, QRT and Close Combat drill		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLO-1:	Acquire knowledge of landmarks and recognition of targets, how to camouflage over self.	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	-	L	H
CLO-2:	Acquire a strong knowledge of judging distance and movement orders.	2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	H
CLO-3:	Obtain knowledge of Fire discipline and control order, patrols and scouts.	2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	-	H
CLO-4:	Gain clear understanding of battle craft skill field signals, section and platoon formation	2	70	70	H	M	L	-	M	H	L	-	-	-	H	L	L	-	H
CLO-5:	Attain strong information battle order and counter terrorist operaton, ambush and bunker brust	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	-	H

Duration (hour)	21	21	21	21	21
S-1	SLO Field craft	Fire Control order	Section formation	Military Appreciation of a situation	Battalion organization structure
S-2	SLO Find	Types of fire control orders	Section organization	Appreciation	Battalion HQ
S-3	SLO Follow	Field signals	Types of formation	Sequence of an appreciation	Rifle company
S-4	SLO Fool	Types of field signals	File formation	Specimen layout for written appreciation	Rifle company HQ
S-5	SLO Fix	Hand Signals	Single File formation	Appreciation of situations	Platoon HQ
S-6	SLO Fire	Rifle Signals	Double line formation	Summary of deductions	Platoon
S-7	SLO Ground	Signals by whistle Blasts	Arrow head formation	Verbal orders	Section
S-8	SLO Cover	Foot Drill and command	Diamond formation	Information	Supporting Company
S-9	SLO Concealment	Words of command	Spear head formation	Intention	SP Coy – Platoon and section
S-10	SLO Camouflage	Time and Pace	Extended line formation	Method	ADM COY
S-11	SLO Visual Training	Patrols and Patrolling	Section in attack	Administration	PARA BN Organisation
S-12	SLO Observation	Types of Patrol	Fire and movement	Inter-communication	Scout BN Organisation
S-13	SLO Fire Discipline	Recce Patrol	Section in withdrawal	Question	Armoured BN
S-14	SLO Fire Control	Method and procedure	Method of withdrawal	Written messages	MECH INF BN
S-15	SLO Principle of fire control	Fighting Patrol	Section in Defence	Message form	ARTY BN
S-16	SLO Description of ground	Method and procedure	Basic principles of defence	Battle Procedure	ENGINEER BN
S-17	SLO Judging of Distance	Protective Patrols	Setting a section position	Recce Group	INDEPENDENT BRIGADE
S-18	SLO Methods	Method and procedure	Platoon formation	Order Group	SPECIALIZED SQN UNIT

S-19	SLO	<i>Defence Range card</i>	<i>Patrol Report Proforma</i>	<i>Platoon in attack</i>	<i>Fighting Group</i>	<i>BRIGADE HQ AND DIV HQ</i>
S-20	SLO	<i>Indication of target</i>	<i>Sentries</i>	<i>Platoon in withdrawal</i>	<i>Transport Group</i>	<i>CORPS HQ</i>
S-21	SLO	<i>Recognition of target</i>	<i>Posting and relieving of sentry</i>	<i>Platoon in defence</i>	<i>Advance and attack</i>	<i>SUPPORTING UNIT ORG</i>

Learning Resources	1. Practical infantry tracts – Choudhary narendra singh, prakash book depo 2. Military Science practical book – J M Srivastava	3. Tactical exercise- Capt M V Verma, bharat Prakashan, Aligarh
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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	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	-	40%
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D01J	Course Name	REMOTE SENSING AND ITS APPLICATIONS IN DEFENCE	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1:	Understanding the basic concepts, principles of remote sensing and will learn the definition, principles and EMR	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Gain knowledge about various satellite orbits and different platforms used for remote sensing																		
CLR-3:	Learn about spectral signatures, satellite characteristics, scanner and sensor systems, and the impact of spatial, spectral, radiometric, and temporal resolutions																		
CLR-4:	Gain skills in image pre-processing, calibration, atmospheric correction, enhancement, transformation, classification, and analysis																		
CLR-5:	Explores the diverse applications of remote sensing in defence																		

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	ICT SKILLS/PSO-1	PROFESSIONAL SKILLS/PSO-2	LIFELONG LEARNING/PSO-3
CLO-1:	Define and explain the concept, principles and the interaction of EMR with the atmosphere and targets	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	H	M	H
CLO-2:	Identify different satellite orbits and platforms used in remote sensing and assess their advantages and limitations	2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	-
CLO-3:	Analyze the characteristics of remote sensing sensors and evaluate the impact of spatial, spectral, radiometric, and temporal resolutions on data interpretation	2	70	65	M	M	M	-	L	L	L	H	M	H	H	L	-	M	H
CLO-4:	Process and analyze remote sensing data using appropriate techniques	2	70	70	H	M	L	-	M	H	-	-	-	-	H	L	-	-	L
CLO-5:	Apply remote sensing techniques and tools to defence-related applications	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	M	-

Duration (hour)	15	15	15	15	15
S-1	SLO	Introduction to Remote Sensing	Orbits and Platforms	Sensors and Resolution	Remote Sensing Data, Image Processing, and Analysis
S-2	SLO	Definition of Remote Sensing	Satellite Orbits – Low Earth Orbit	Spectral Signatures	Areal Data and Multispectral Data
S-3	SLO	Principles of Remote Sensing	Medium Earth Orbit	Satellite and its Characteristics	Radar Data and Hyperspectral Data
S-4	SLO	Electromagnetic Spectrum	High Earth Orbit	Scanner and Sensor Systems	Visual Interpretation- Elements
S-5	SLO	Interaction with the Atmosphere	Remote sensing platforms	Pixel size and Scale	Digital Image Processing
S-6	SLO	Radiations – Target Interactions	Ground-based Platforms	Spatial Resolution	Image Pre-processing
S-7	SLO	Sensing: Passive	Airborne Platforms	Spectral Resolution	Sensor Calibration and Image Restoration
S-8	SLO	Sensing: Active	Spaceborne Platforms	Radiometric Resolution	Atmospheric Corrections
					Remote Sensing Applications in Defence
					Terrain analysis and mapping for military operations
					Surveillance and reconnaissance using Remote sensing data
					Detection and identification of targets (Land, Sea, and Air)
					Disaster management and emergency response using Remote sensing data
					Remote sensing for strategic planning and mission support
					Environmental monitoring and assessment (e.g., pollution, deforestation)
					Image interpretation and analysis for intelligence gathering

S-9	SLO	Sensing: Imaging	Satellite around the World	Temporal Resolution	Image Enhancement	Geospatial intelligence (GEOINT) and situational awareness
S-10	SLO	Sensing: non-imaging	Indian Satellites	Multispectral Scanning	Image Transformation	Artificial intelligence and machine learning in remote sensing
S-11	SLO	Image Characteristics	European Satellites	Photogrammetry	Image Classification	Hyperspectral imaging for threat detection and identification
S-12	SLO	Types of Sensors	US and Russian Satellites	Image resolution and its impact	Image Analysis	Remote sensing for border security and surveillance
S-13	SLO	Radiometric Calibration	Emerging Satellite Technologies	Image Fusion Techniques	Change Detection Techniques	Remote sensing in maritime domain awareness
S-14	SLO	Geometric Correction	Small Satellites and CubeSats	Synthetic Aperture Radar (SAR) Imaging	Object-based Image Analysis (OBIA)	Remote sensing in cyber defence and network security
S-15	SLO	Data Acquisition Techniques	Remote Sensing Data Communication	Hyperspectral Imaging	Integration of Remote Sensing with GIS	Emerging trends and future directions in remote sensing applications for defence

Learning Resources	1. Jensen, J. R. (2007). Remote Sensing of the Environment: An Earth Resource Perspective (2nd ed.). Pearson Education. 2. Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). Remote Sensing and Image Interpretation (8th ed.). Wiley. 3. Campbell, J. B., & Wynne, R. H. (2011). Introduction to Remote Sensing (5th ed.). Guilford Press.	4. Richards, J. A., & Jia, X. (2012). Remote Sensing Digital Image Analysis: An Introduction (5th ed.). Springer. 5. Schowengerdt, R. A. (2007). Remote Sensing: Models and Methods for Image Processing (3rd ed.). Academic Press.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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.,

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Course Code	USS23D02J	Course Name	CONFLICT RESOLUTION AND PEACE BUILDING	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1:	Imparting the basic concepts of peace	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Imparting the basic understanding of conflicts																		
CLR-3:	Understand the threats faced by the nation																		
CLR-4:	Educate the role of peace education																		
CLR-5:	Learn about the concepts of confidence building measures																		

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	ICT SKILLS/PSO-1	PROFESSIONAL BEHAVIOUR/PSO-2	LIFELONG LEARNING/PSO-3
CLO-1:	Acquire knowledge of peace and peace building	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	-	-	-
CLO-2:	Acquire a strong knowledge on how to manage a conflict	2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	-
CLO-3:	Obtain knowledge on nature of threats	2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	-	-	H
CLO-4:	Gain clear understanding of peace education	2	70	70	H	M	L	-	M	H	L	-	-	-	H	L	-	M	-
CLO-5:	Attain strong understanding on confidence building measures	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	L	-	-

Duration (hour)	15	15	15	15	15
S-1	SLO	Introduction	Conflict Management	Contemporary Conflicts	Concept of Peace
S-2	SLO	Definition,	Concept and Significance	Internal Threats	Challenges to Peace
S-3	SLO	Theories,	Nature of Conflict	External Threats	Positive Peace
S-4	SLO	Values, Interests	Inter-state	Externally Fostered Internal Threats: Terrorism	Negative Peace
S-5	SLO	communication	Intra – state	Causes:Resources	Lack of Mutual trust
S-6	SLO	Relationship,	Methods for conflict resolution:	Oil	Trust Deficit
S-7	SLO	Escalation and Effects	Pacifist Methods	Separatism :Religious/Ethnic	Political Dominance
S-8	SLO	Role, Structure,	Coercive Methods	International Terrorism	Economic Dominance
S-9	SLO	Data & Information,	Role of IGOs,	Drugs- Afghanistan	Military Dominance
S-10	SLO	Conflict resolution	. Role of NGOs	Small Arms proliferation	Resources Control
S-11	SLO	Peace Building	. U.N	Arms Race	Trade wars
S-12	SLO	Peace making	Role of Regional groupings	Expansion of Influence- China- USA	Cold war
S-13	SLO	Peace keeping	NATO	Western countries-Russia	Nuclear Arms race
S-14	SLO	Confidence Building Measures	FATF	Arab-Israeli conflict	Nuclear Deterrence
S-15	SLO	Confidence Building Measures methods	Role of Media	Saudi Arabia- Iran	Nuclear proliferation
					Confidence Buildings
					Peace Building: Bilateral
					Regional
					International perspective.
					Initiative for peace
					Confidence Building Measure:
					Concepts
					Techniques
					constraint,
					transparency,
					Negotiation
					Agreements
					Verification
					Maintenance
					Sustenance of peace

Learning Resources	1. Barash David P, Approches to Peace : A Reader in Peace Studies,Oxford University press, 2014. 2. Ursula Oswald, Peace Studies from a Global Prespective,Maadhyam Books, 2000.	3. Kadloor Savitri, Conflict Resolution and Peace Building,Pentagon Press,2015. 4. Garnett Johan, Theories of Peace and Security,Palgrave Macmillan, 2007. 5. Galtung Johan, Peace by peaceful means :Peace and Conflict,Development and Civilization,SAGE Publications, 1996. 6. Galtung, Johan, The Struggle for Peace, (Ahmedabad: Gujarat Vidyapeeth, 1986)
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23G03T	Course Name	MILITARY HISTORY OF INDIA	Course Category	G	Generic Elective Course	L 4	T 0	P 0	O 2	C 4
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Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1 :	Imparting the significance of warfare in ancient India	1	1
CLR-2 :	Imparting the basic understanding of warfare in medieval India	2	2
CLR-3 :	Understand about military system of maratha and sikh	3	3
CLR-4 :	Educate about rise and fall of Monarchy		4
CLR-5 :	Learn about the India's Post independent wars		5

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	ICT SKILLS/PSO-1	PROFESSIONAL SKILLS/PSO-2	LIFELONG LEARNING/PSO-3
CLO-1 :	Acquire knowledge of Military System in Vedic, Puranic and Epic	2	75	60	H	-	-	L	-	L	-	-	-	-	-	-	-	-	-
CLO-2 :	Acquire a strong knowledge on Warfare In Medieval India	2	80	70	L	-	L	-	-	-	-	-	-	-	-	-	-	-	M
CLO-3 :	Obtain knowledge on Military System of maratha and sikh warfare strategy	2	70	65	M	-	L	-	L	-	L	-	-	-	-	-	-	-	-
CLO-4 :	Learn Rise And Fall of Monarchy	2	70	70	M	-	-	-	M	H	-	-	-	M	-	L	-	-	-
CLO-5 :	Attain understanding on India Post independent wars	2	80	70	H	L	-	L	-	M	-	L	L	M	L	M	L	L	-

Duration (hour)	12	12	12	12	12
S-1	SLO	Warfare In Ancient India	Warfare In Medieval India	Military organization of marathas under Shivaji and his techniques of fighting.	British Conquest of Bengal
S-2	SLO	Military System	Arab Conquest	Shivaji as a military leader	Presidency Armies
S-3	SLO	Military System in Vedic	Arab Conquest of Sind	Military organisation and techniques of fighting	Rise of Presidency Armies
S-4	SLO	Military System in Puranic	Ghazni's invasions	Battle of Panipat III	First War of Independence 1857
S-5	SLO	Military System in Epic ages	Ghazni's invasions	Military organization of sikh army and its fighting techniques under maharaja Ranjit singh	Causes
S-6	SLO	Alexander's Invasion of India	Battle of Somnath	Maharaja Ranjit singh as a military leader	Consequences
S-7	SLO	Mauryan Empire	Md.Ghori's Conquest of India	Growth and development of sikh army from 1799-1849	1858 Crown rules in india
S-8	SLO	Rise of Mauryan Empire	Battle of Terrain I	Organization of the army	Role of Indian armed forces in WW1
S-9	SLO	Military system	Battle of Terrain II	Fighting techniques of the sikh army (strategic and tactics)	Role of Indian armed forces in WW1
S-10	SLO	Kautilya's philosophy	Foundation of Mughal Empire in India	Anglo-maratha and Anglo-sikh warare with particular reference to battle of assaye 1803 AD and Battle of chillianwala	India Post independent wars
S-11	SLO	Kautilya's philosophy of war.	Battle of Panipat I	Battle of assaya	India Pakistan War of 194-487
S-12	SLO	Kautilya's philosophy of and peace.	Battle of Panipat I	Battle of Chillanwala	India China Wars of 1962

Learning Resources	1) Roy, Koushik., From Hydespas to Kargil : A History of Warfare in India from 326 B.C. to A.D 1999, Delhi: Manohar,2004.	10) Bruce, George., (1969) Six Battles of India, Rupa & Company, Calcutta.
	2) Anjoli Nirmal, The Decisive Battles of Indian History, Jaipur: Pointer Publications,1999. Majumdar, R.C., An Advanced History of India, New York: St.Martin,1967.	11) Das, S.T., (1969) Indian Military - Its History and Development, Sagar, New Delhi.
	3) Malleson, G.B., The Decisive Battles of India, London: W.H.Allen, 1885	12) Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
	4) Saxena, K.L.M., Military System of India-1850-1900, Delhi'1976.	13) Fuller, J.F.C., (1958) Generalship of Alexander The Great, Natraj Publishes, Dehradun.
	5) Sarkar, Jadunath., Military History of India, Bombay: Orient Longmans,1970.	14) Gustav Oppert, (1967) Weapons, Army Organisation and Political Maxims of Ancient Hindus, R.F Patel Rajratan Press, Ahmedabad.
	6) Das, S.T., Indian Military: Its History and Development, Allahabad: Kitab Mahal,1979.	15) Kangle, R.P., (1963) Kautilya's Arth Shastra, University of Bombay, Mumbai.
	7) V.R.R. Dikshitar, Wars in Ancient India, 1948.	16) Majumdar, B.K., (1960) Military System in Ancient India, Firma K.L. Mukhopadhyoy, Calcutta.
	8) Alfred, David., (1953) Indian Art of War, Atma Ram , Delhi.	17) Majumdar, B.N., (1963) Study of Indian Military History. Army Educational Store, Delhi.
	9) Bajwa F.S., (1964) Military System of the Sikhs, Moti Lal, Banarsi Dass, Delhi.	

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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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
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2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23S03J	Course Name	INTRODUCTION TO POLICE ADMINISTRATION	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):		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 : To understand the nature and scope of police administration					Fundamental Knowledge														
CLR-2 : To appreciate the synthesizing nature of knowledge in police administration					Application of Concepts														
CLR-3 : Gain Knowledge about police functions					Link with Related														
CLR-4 : Understanding how the police works at state level					Procedural Knowledge														
CLR-5 : To gather information regarding police recruitment					Skills in Specialization														
					Ability to Utilize														
					Skills in Modeling														
					Analyze, Interpret Data														
					Investigative Skills														
					Problem Solving Skills														
					Communication Skills														
					Analytical Skills														
					ICT SKILLS/PSO-1														
					PROFESSIONAL BEHAVIOR/PSO-2														
					LIFELONG LEARNING/PSO-3														
Course Learning Outcomes (CLO):																			
At the end of this course, learners will be able to:																			
CLO-1 :	Acquire knowledge of Nature,scope and significance of police administration	2	75	60	H	-	L	-	M	M	-	M	-	-	-	L	-	-	M
CLO-2 :	Understanding the structure of Central Police Organisations	2	80	70	M	L	M	H	-	H	L	-	M	-	-	-	M	-	H
CLO-3 :	Obtain knowledge on the functions of police organisation	2	70	65	H	-	-	M	M	M	-	L	M	-	-	-	-	-	-
CLO-4 :	Gain clear understanding of the duties of state police	2	70	70	H	-	-	-	H	-	-	-	L	M	-	-	-	M	-
CLO-5 :	Gain Knowledge regarding the intake procedures in police department	2	80	70	H	H	-	M	H	H	-	-	-	-	L	-	L	M	-

Duration (hour)	06	06	06	06	06
S-1	SLO	Introduction, Nature of Police Administration	Central Police Organisation	Police Functions	State Level Police-Structure,Functions,hierarchy and their duties
S-2	SLO	Evolution of Police Administration	Functions of Police	Maintenance of Law and Order	Other Police Organizations- Dog Squad, DVAC
S-3	SLO	Evolution of Police Administration	Hierarchies	Jurisdictions of Police	Crime Investigation Department
S-4	SLO	Police in Ancient,Medieval India	Duties	SWAT Team	Fingerprint Bureau
S-5	SLO	Police in Modern India	National Police Commission	Functions of Policewomen	City Police
S-6	SLO	Police Act of 1861 and Village Police	Recommendations	Intelligence	District Police
					Police recruitment and training-Methods
					Introduction
					Methods
					Police Neutrality
					Proposed police Reforms
					Prison Reforms

Learning Resources	1. Mathur KM,Indian Police :Role and Challenges,Gyan Publishing House,1994. 2. Swanson Charles R,Police administration :Structures,Process and behaviour,Macmillan,1983.	3. Rao Venugopal, Criminal Justice :Problems and perspectives in India,Stosius,1991. 4. Aleem Shamin,Women In Indian Police,Sterling, 1991. 5. Gautam DN, The Indian Police :A Study in Fundamentals, Mittal Publications, 1993.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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.,

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Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23P02L	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	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Guidelines for Internship:

- Students must undergo industrial training after completing Second semester examination for a period of two weeks to four weeks
- Industries can be Micro, Small, Medium or Large Scale
- Students can be engaged in Administration, HRM, Marketing, Sales, Law Firms and Finance Departments, Defence Factories and related fields
- Students should submit a acceptance letter from the industry for his/her Internship
- Students must adhere to the rules and regulation of the place of work.
- Students must submit a Training Report along with training certificate. Issued by the industry
- Report should have the following
 - Industry Profile
 - Company Profile
 - Job Profile
 - Internship Training Details
 - Feedback of the Training
- Reporting Format – Minimum of 50 Pages and Maximum of 60 Pages – Times New Roman Font – Font Size – Heading 14 and Content 12 – Line Spacing – 1.5
- Report should be submitted before the end of Fifth Semester
- Report will be evaluated by the Faculty in charge and Viva will be conducted at the end of the Semester
- Marks Will be awarded as follows – Internal Viva 50 Marks and End Semester Viva 50 Marks
- If the Student has chosen this Industrial Training as Elective and Failure to undergo the training or submit the report will treated as failure in that course and the students has to redo in the forthcoming semesters
- Report Submission - One Hardcopy and One Soft Copy has to be submitted through mail in PDF Format. Hardcopy will be returned to the student after completion of End Semester Examination

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

Semester – VI			
DISASTER MANAGEMENT		Course Category	C
Co-requisite Courses	Nil	Progressive	

Course Code	USS23601J	Course Name	DISASTER MANAGEMENT	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	Defence and Strategic Studies		Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Imparting the brief understanding of disasters	Learning (Bloom)	Efficiency (%)	Commitment (%)	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Helping in identifying the risks and vulnerability posed				Knowledge	Concepts	Understand	Knowledge	Application	Higher Knowledge	Learning	Interpret Data	Skills	Learning Skills	Communication Skills	Professional Skills	PLO-1	PLO-2	PLO-3			
CLR-3 :	Understand the procedures about disaster preparedness																					
CLR-4 :	Educate the role of all stakeholders																					
CLR-5 :	Learn about the concepts like Rehabilitation, Responsibility and Recovery																					

Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:	Level of Thinking	Expected Pro	Expected Achiev	Fundamental	Application	Link with Re	Procedural H	Skills in Spec	Ability to Utili	Skills in Moc	Analyze, Inte	Investigative	Problem Sol	Communicat	Analytical SK	ICT SKILLS	PROFESSIO	BEHAVIOR	LIFELONG	LEARNING
CLO-1:	Acquire knowledge regarding classifying the disasters		2	75	60	M	-	M	-	L	M	-	L	-	M	-	-	-	-	M		
CLO-2:	Analysing the risks and vulnerability under pressing circumstances		2	80	70	M	L	L	M	L	M	L	L	M	H	L	-	-	-	M		
CLO-3:	Obtain knowledge regarding the preparations		2	70	65	M	-	M	M	L	L	-	H	M	-	-	-	-	-			
CLO-4:	Understand the roles of all agencies		2	70	70	M	L	L	M	M	H	-	-	L	-	L	-	-	-	M		
CLO-5:	Learn how does each works out		2	80	70	M	M	L	-	-	M	-	L	L	M	H	M	M	M	-		

Duration (hour)		18	18	18	18	18
S-1	SLO	Introduction on Disasters	Risk & Vulnerability Analysis	Disaster Preparedness and Response Preparedness	Role and Responsibility in Disaster Management	Rehabilitation, Responsibility, and Recovery
S-2	SLO	Natural Disasters: Flood and Cyclone	Meaning and Concepts of Risk	Concept of Disaster Preparedness	Role of Government in Disaster Management	Means of Development in Post-Disaster Recovery
S-3	SLO	Earthquakes	Human-Social Vulnerability	Nature of Disaster Preparedness	National Disaster Management Authority	Rehabilitation and Reconstruction Strategies
S-4	SLO	Landslides	Limited Escape Routes	Response Preparedness	Role of International Agencies	Damage Assessment and Recovery Planning
S-5	SLO	Manmade Disasters: Fire and Industrial Pollution	Dense Infrastructure	Planning for Disaster Preparedness	Non-Governmental Organizations in Disaster Response	Post-Disaster Effects and Challenges
S-6	SLO	Nuclear Disaster	Poverty and Vulnerability	Prediction and Early Warning Systems	Role of Information Technology in Disaster Management	Psychological and Social Rehabilitation
S-7	SLO	Biological Disaster	Environmental Vulnerability	Emergency Response Planning	Disaster Management Response Strategies	Environmental Remediation and Restoration
S-8	SLO	Air, Sea, Rail, Road Accidents	Physical Vulnerability	Evacuation Planning and Shelter Management	Role of Engineers in Disaster Risk Reduction	Economic Recovery and Livelihood Restoration
S-9	SLO	Structural Failures	Economic Vulnerability	Search and Rescue Operations	Disaster Response Planning and Coordination	Education and Awareness Programs in Recovery

S-10	SLO	War & Terrorism	Social Vulnerability	Emergency Medical Services	Relief Distribution and Logistics Management	Role of Educational and Research Institutes in Disaster Management
S-11	SLO	Causes and effects	Technological Vulnerability	Information, Education, and Communication for Preparedness	Recovery and Rehabilitation Strategies	Community Resilience Building
S-12	SLO	Disaster responses	Climate Change and Vulnerability	Training and Capacity Building	Medical and Health Responses in Disasters	Policy Formulation and Implementation for Recovery
S-13	SLO	Technological Disasters: Chemical Spills and Industrial Accidents	Spatial Planning for Disaster Risk Reduction	Public-Private Partnerships in Disaster Management	Community Engagement and Participation	International Support and Cooperation in Recovery
S-14	SLO	Transportation Disasters: Aviation and Maritime	Community Resilience and Empowerment	International Cooperation in Disaster Response	Community-Based Disaster Risk Management	Sustainable Development and Resilient Infrastructure
S-15	SLO	Social and Psychological Impacts of Disasters	Vulnerability Assessment Tools and Techniques	Legal and Policy Frameworks for Preparedness and Response	Business Continuity Planning	Monitoring and Evaluation of Recovery Programs
S-16	SLO	Environmental Disasters: Oil Spills and Ecological Imbalances	GIS and Remote Sensing in Vulnerability Analysis	Incident Command System and Coordination Mechanisms	Financial and Economic Aspects of Disaster Management	Case Studies in Successful Recovery and Rehabilitation
S-17	SLO	Climate-Related Disasters: Drought and Heatwaves	Socio-Economic Impacts of Disasters	Psychological First Aid and Mental Health Support	Communication and Public Information Management	Lessons Learned and Best Practices in Disaster Management
S-18	SLO	Disaster Risk Reduction Strategies	Gender Perspectives in Disaster Risk Reduction	Logistics and Supply Chain Management in Disaster Response	Monitoring, Evaluation, and Lessons Learned in Disaster Management	Future Trends and Innovations in Disaster Management

Learning Resources	1. Bourriau, Janine Understanding Catastrophe, Cambridge University Press, Cambridge, 1992. 2. Cater W Nick, Disaster Management-A Disaster Managers Handbook, ADB, Manila, 1991.	3. Coppola P Damon, Introduction to International Disaster Management, Elsevier, 2006. 4. Garlake, Teresa Dealing with Disasters, Oxfam Education, Oxford (2000)
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23602J	Course Name	WAR GAME AND PRACTICE	Course Category	C	Discipline Specific Core Course	L	T	P	O	C
							0	2	5	2	4

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1:	Imparting the significance to topographical sheets in the defence and civil	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Imparting the basic understanding sand models																		
CLR-3:	Understand the sand models techniques																		
CLR-4:	Educate the uses of Augmented reality sandbox exercise																		
CLR-5:	Learn about the PPT Presentation and Lectorate on current affairs																		

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	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/PSO-1	PROFESSIONAL	LIFELONG
CLO-1:	Acquire knowledge of how-to analysis of topographical sheet	2	75	60	H	H	-	M	H	H	M	-	L	M	-	M	-	-	M
CLO-2:	Acquire a the knowledge for sand model exercise	2	80	70	M	-	L	-	M	-	L	M	M	-	-	M	L	-	-
CLO-3:	Obtain knowledge to prepare of sand model techniques and detailing to prepare	2	70	65	M	M	-	M	L	L	H	M	H	L	L	L	-	L	-
CLO-4:	Gain clear understanding of use of augmented sand box	2	70	70	H	M	-	-	M	H	-	-	-	L	-	L	-	-	-
CLO-5:	Attain strong understanding for current global level security issues and their concerns	2	80	70	H	H	M	L	-	M	-	L	L	M	H	M	-	-	-

21	21	21	21	21
S-1	Sand model introduction	SAND MODEL PLANNING	Cover and Concealment	Several Restricted Areas
S-2	Type of models	SCALES	FM GD observation	Built up areas
S-3	Cloth model	HORIZONTAL SCALES	FM AIR observation	Water obstacles
S-4	Clay model	REQUIRED DATA	Cover FM Direct Fire	Slopes
S-5	Plastic model	AREA BOUNDARIES	Cover FM Indirect fire	Woods
S-6	Glass model	Horizontal scales	Vegetation and overgrowth	Artificial obstacles
S-7	Sand model	Vertical scale	Concealed air approaches	Man oeuvre areas
S-8	Saw dust model	MODELLING PROCEDURE	Obstacles	Key Terrain / Areas
S-9	Model properties	Preparation of modeling	Natural obstacles	Vital areas
S-10	Relief format	Relief modeling	Man Made obstacles	GTI
S-11	Significant details of model	Type of relief	Quick sands	Dominating features
S-12	Scale determined	Improvised sand model	Flash floods	Bridges
S-13	Models simplifies	Briefing in the field	Loose black cotton soil	Pass/Canalizing terrain
S-14	Purpose of a sand model	Ground in details	Swamps	Towns/Centres
				Augmented reality sandbox exercise
				Installation and uses
				Technical specification
				Sand model preparation
				Kargil and drass sector toloing, tiger hill, point
				Western border area
				Eastern border area
				Siachen area, nubra valley,
				Galwan hot spring
				Pangong tso, shoyok
				Shushu, fuckeche and demchok
				Paratapur and NJ 9846
				Indian and bangladesh IB
				Indian and myanmar IB

S-15	Objective	Visual observation	Laggahs	Fording areas	Indian and tibet tactical model
S-16	Lesson plan	Optical observation	Dense Vegetation	Harbours	Arunachal region, bhutan, sikkim region, dhoklam region
S-17	Tactical level	Hill tops	Gullies/Cliffs	Airfields/ strips/port	Sikkim and natulha pass.
S-18	Operational level	Dominating features	Lava rocks	Road junction in jungle/desert ops	Chicken neck area
S-19	Strategic level	Fields of fire for Direct wpns	Steep slopes	Water Points	Andaman and nicobar island
S-20	Training purpose	Fields of fire for indirect wpns	Built up areas	Communication facilities	Northeast maps
S-21	General uses of sand model	Ground General	Weather effects	Civil strategic facilities	Case Studies and tactical operation area war zone.

Learning Resources	1. Wargaming Handbook, Ministry of Defence Swindon.	2. FR Khan, Practical military science, Hindi Granth Academy, Bhopal 1993.
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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	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	-	30%
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	-	40%
	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.,

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Course Code	USS23603T	Course Name	RESERARCH METHODOLOGY	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Understanding the meaning and types of research provides students with a foundation to comprehend the purpose, scope, and various approaches to research	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Familiarizing students with research resources, such as literature sources and online databases, enables them to access relevant information for their research																		
CLR-3 :	Exploring characteristics of a good research design and hypothesis helps students develop research plans that are logical, feasible, and scientifically rigorous																		
CLR-4 :	Enhancing students' communication skills and knowledge of research report writing ensures they can effectively present their research findings																		
CLR-5 :	Introducing basic statistical distributions, data collection, analysis, and inferential statistics equips students with the necessary tools for data interpretation.																		

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	ICT SKILLS/PSO-1	PROFESSIONAL BEHAVIOR/PSO-2	LIFELONG LEARNING/PSO-3
CLO-1 :	Explain the meaning of research, types of research, and the objectives of research, demonstrating a comprehensive understanding of the research process	2	75	60	H	M	M	L	-	M	-	M	H	L	H	L	-	-	M
CLO-2 :	Identify and utilize various research resources, including literature sources and online databases, to gather relevant information for research projects	2	80	70	M	H	L	-	-	-	-	M	M	H	H	M	-	-	-
CLO-3 :	Analyze and evaluate the ethical and moral issues associated with research, ensuring compliance with ethical guidelines and principles	2	70	65	M	M	M	-	L	L	-	H	M	H	H	L	H	-	-
CLO-4 :	Formulate research questions, hypotheses, and research designs that are logical, feasible, and scientifically rigorous	2	70	70	H	M	L	-	M	H	L	-	-	-	H	L	-	M	-
CLO-5 :	Conduct data collection, perform statistical analysis, and interpret research findings using appropriate statistical tests and methods	2	80	70	H	H	-	M	-	M	-	L	L	M	H	M	-	-	-

Duration (hour)	12	12	12	12	12
S-1	SLO	Meaning of Research	Research Resources	Research Design	Research report writing
S-2	SLO	Objectives of Research	Sources of information	Research Questions and Hypothesis	Communication skills
S-3	SLO	Basic steps of Research	Literature Search	Characteristics of good hypothesis	Submission of research articles for Publication in Reputed journal
S-4	SLO	Types of Research	World Wide Web – Online databases	Types of Hypothesis	Thesis writing and Research report writing
S-5	SLO	Criteria of good Research	Online search tools	Formulation of hypotheses	Elements of excellent presentation: preparation, visual and delivery
					Descriptive Statistics: Measurement Scales, Sources of error in measurement.
					Measures of central Tendency (Mean, medium, Mode),
					Measures of dispersion (range, mean deviation, standard deviation)
					Graphical representation of Data
					Inferential statistics

S-6	SLO	Understanding research and its goals	Citation indices	Testing on hypothesis	oral communication skills and oral defence	Correlation, regression, Time series analysis, Forecasting methods, Factor analysis
S-7	SLO	Critical thinking, Methods of scientific enquiry	Principles underlying impact factor	Characteristics of a good research design	Data Collection, Analysis and inferences	Statistical tests: t-test, F test and chi square test
S-8	SLO	Techniques for generating research topics	Literature review	Steps in research design	Basic statistical distributions and their applications: Binomial, Poisson, Normal, Exponential	Analysis of Variance (ANOVA)
S-9	SLO	Classification of Research based on its purpose	Case studies and review articles and meta analysis	Organization of proposals	Geometric distributions	Software for statistical analysis
S-10	SLO	Basic and Applied Research	Ethical and moral issues in Research	Development of a research proposal	Concept of population, sample, sampling frame, sampling unit	Writing Research Report
S-11	SLO	Evaluation and Action Research	Defining the Research Problem: Concept and need	Basic knowledge of funding agencies	Need and advantages of sample study	Referencing and Citations
S-12	SLO	Approaches to research: positivistic and interpretive, qualitative and quantitative	Definition, Identification and delimitation of Research problem	Proposal submission for funding agencies	Sample size determination and sampling techniques: Random, stratified, systematic and cluster sampling	Application of Research methods in Defence

Learning Resources	1. Bijorn Gustavii (2003), How to write and illustrate scientific papers?. Cambridge University Press 2. Bordens, K. S. and Abbott, B.B (2008) Research design and Methods, Mc Graw Hill 3. Day, R. A., & Gastel, B. (2012). How to Write and Publish a Scientific Paper. Greenwood. 4. Leedy, P. D., & Ormrod, J. E. (2014). Practical research: Planning and design. Pearson. 5. Creswell, J. W., & Creswell, J. D. (2017). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. Sage Publications. 6. Singleton, R. A., & Straits, B. C. (2010). Approaches to Social Research. Oxford University Press
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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	30%	-	30%	-	30%	-	30%	-	30%	-
Level 2	Understand	30%	-	30%	-	30%	-	30%	-	30%	-
	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
Level 3	Analyze	40%	-	40%	-	40%	-	40%	-	40%	-
	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	Create	40%	-	40%	-	40%	-	40%	-	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D03T	Course Name	ARMS CONTROL AND DISARMAMENT	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	Defence and Strategic Studies	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 evolution of nuclear warfare	1	1
CLR-2 :	Imparting the basic understanding of retaliation concepts	2	2
CLR-3 :	Understand the treaties and export control regimes in place	3	3
CLR-4 :	Educate the role of conventions		4
CLR-5 :	Learn about how india contributed to arms control		5

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLO-1 :	Acquire knowledge of how the nuclear weapons evolved	2	75	60	H	-	L	-	L	-	-	M	H	-	-	-	-	-	H
CLO-2 :	Acquire a strong knowledge on some measures required to protect the nation	2	80	70	M	H	L	-	-	L	L	-	-	L	-	L	L	-	M
CLO-3 :	Obtain knowledge on how the international monitoring works	2	70	65	M	M	-	M	L	L	-	H	M	H	L	-	-	-	-
CLO-4 :	Gain clear understanding on how the weapon productions are restricted	2	70	70	H	-	L	-	M	H	-	L	L	-	-	L	-	L	-
CLO-5 :	Attain strong understanding on India's commitment to arms control	2	80	70	H	-	M	M	-	-	-	L	-	M	-	L	-	-	M

Duration (hour)	12	12	12	12	12
S-1	SLO	Introduction	Development of Missiles	Elementary Study of Treaties	Effects and Conventions
S-2	SLO	Manhattan Project	Classification and Characteristics	Nuclear Weapon Treaties	Chemical Weapon Conventions
S-3	SLO	Evolution of nuclear weapons	Theories of Nuclear Warfare	Threshold test ban treaty and Peaceful Nuclear explosion Treaty	Biological Weapon Conventions
S-4	SLO	Proliferation of nuclear weapons	Preventive measures	Partial Nuclear Test Ban Treaty and Comprehensive Test Ban Treaty	Effects of Bio weapons
S-5	SLO	Basics of Nuclear Technology	Pre-emptive strike	Anti Ballistic Missile Treat and Strategic arms Limitations Talks	Effects of Chemical weapons
S-6	SLO	Nuclear energy	Strategy of Massive Retaliation	Intermediate range nuclear forces treaty and Strategic arms reduction talks	Effects of Nuclear weapons
S-7	SLO	Significance of nuclear energy	Counter Force	Non-proliferation of nuclear weapons and Missile Technology Control Regime	Effects of Radio active weapons
S-8	SLO	Future of nuclear energy	Counter Value	Strategic Arms Limitations Talks	Advantages of C & B weapons
S-9	SLO	Civilian Uses	Flexible Response	India-USA Civil nuclear deal	Disadvantages of C & B Weapons
S-10	SLO	Military Uses	Mutually Assured Destruction	123 agreement	Current status
S-11	SLO	India's Strategic Doctrine	Mutually Assured Self Destruction	SALT-1 and SALT-2	Radiation effects
S-12	SLO	No First Use Policy	Punitive strikes	Nuclaear Suppliers Group	Consequences of weapons of mass destruction

Learning Resources	1. Sverre Lodgaard, Nuclear Disarmament and Non-Proliferation : Towards a nuclear free world,Routledge,2010.	3. Meier Oliver and Daase Christopher, Arms Control in the 21st century :Between Coercion and Co-operation, Routledge,2013.
	2. Elliot, Jeffrey M, The Arms Control,Disarmament and Military Security Dictionary,Borgo Press, 2007.	4. Thomas Raju GC, The Nuclear non-proliferation regime :Prospects for the 21st century,Palgrave,1998. 5. Sverre Lodgaard, Stable Nuclear Zero :The vision and its implications for disarmament policy,Routledge,2016.

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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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.,

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Course Code	USS23D04T	Course Name	INTRODUCTION TO CRIMINOLOGY	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1 :	Imparting the basic understanding and concepts of criminology and criminal law	1	1
CLR-2 :	Imparting the awareness regarding the crimes and the offences	2	2
CLR-3 :	Understand the different faces of a crime	3	3
CLR-4 :	Learning about the investigation procedures and the qualities of a investigator		4
CLR-5 :	Learning about the punishments given according to the nature of crimes		5

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Program Learning Outcomes (PLO)
CLO-1 :	Have an awareness regarding the criminal Laws	2	75	60	1
CLO-2 :	Acquire a strong knowledge on the characteristics of crime and offences	2	80	70	2
CLO-3 :	Obtain knowledge on causes of crimes	2	70	65	3
CLO-4 :	Gain clear understanding of Laws and its regulations	2	70	70	4
CLO-5 :	Attain strong understanding on mechanics of criminal justice	2	80	70	5

Duration (hour)	12	12	12	12	12
S-1	SLO	Introduction	Concept of Crimes	Organized crimes	Investigation
S-2	SLO	Criminology	Definition and Meaning	Introduction	Process of investigation in CrPc
S-3	SLO	Definition	Causes of crime	Definition	Police Investigator
S-4	SLO	Meaning	Types of Crime	Different types of crime organization	Private Investigator
S-5	SLO	Nature	Classification of Crimes	White collar crime	Desirable attributes
S-6	SLO	Scope	Cognizable categories	Definition	Instruments used in investigation
S-7	SLO	Types of Criminal Law	Non Cognizable categories	White collar crimes in India	Audio recording device
S-8	SLO	Historical Development	Bailable offence	Alcoholism	Video recording device
S-9	SLO	Fundamentals of Criminal Law	Non bailable offence	Drug Addiction	Photo camera
S-10	SLO	Classical School	Characteristics of Crime	Narcotics	Interrogation and its uses
S-11	SLO	Positivist School	Frequency	Drugs and its impact	Interview and its uses
S-12	SLO	Chicago School	Occurrence	Impact of Drugs	Types of witnesses

Learning Resources	1. Marsh I, Theories of Crime, Routledge, 2007.	3. Siegel L, Criminology : Theories,Patterns and Theologies,Cengage Learning, 2017.
	2. Conklin JE,Criminology, Macmillan Publishing Company, 2001.	4. Hagan F, Introduction to Criminology, SAGE, 2017.
		5. Dekeseredy, Contemporary Critical Criminology,Routledge,2011.

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

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Course Code	USS23G04J	Course Name	STRATEGIC GEOGRAPHY	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		Defence and Strategic Studies		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 concepts of Geostrategy			Level of Thinking (Bloom)	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-2 :	Understand the terminologies associated with the border							Fundamental Knowledge	Application of Concepts	Link with Related	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/PSO-1	PROFESSIONAL BEHAVIOR/PSO-2	LIFELONG LEARNING/PSO-3		
CLR-3 :	Learn about the intricacies on how the manpower is assessed for the armed forces							H	-	M	-	L	M	-	L	-	-	-	-	-	-	-	M	
CLR-4 :	Learn about the natural resources and its impact on development of a nation							M	-	L	L	L	M	-	-	L	-	-	M	L	-	-	-	
CLR-5 :	Learn about the defence policy of a nation							M	M	M	-	L	L	-	H	M	L	-	L	-	-	-	-	
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			2	75	60	H	-	M	-	L	M	-	L	-	-	-	-	-	-	M		
CLO-1 :	Acquire knowledge of different conceptual aspects of strategic geography			2	80	70	M	-	L	L	L	M	-	-	L	-	-	M	L	-	-	-		
CLO-2 :	Learn whether the existing military deployment ensures handling modern threats			2	70	65	M	M	M	-	L	L	-	H	M	L	-	L	-	-	-	-		
CLO-3 :	Understand how the national power can be ensured by the population			2	70	70	H	-	L	-	L	H	L	L	-	-	-	L	-	L	-	-		
CLO-4 :	Gain a clear understanding regarding the resources that support national power			2	80	70	H	L	-	M	H	M	-	L	L	L	L	M	-	-	-	-		
CLO-5 :	Attain in strong understanding of how geography facilitates military doctrines & Logistics			2	80	70	H	L	-	M	H	M	-	L	L	L	L	M	-	-	-	-		
Duration (hour)		15	15	15			15			15			15			15			15			15		
S-1	SLO	Introduction	Military Deployment	Demography	People Support	Strategic and Natural Resources			Strategic Doctrine & Military Logistics															
S-2	SLO	Meaning and Definition	Borders	Peoples' support & significance	Forests	Geo-Political Environment																		
S-3	SLO	Relevance	Boundary	Manpower requirement	Minerals	Geo-Economic Environment																		
S-4	SLO	Concepts	Cease fire line	Army recruitment	Agriculture	Security Environment																		
S-5	SLO	Significance	Frontiers	Navy recruitment	Industrial Resources	Future War																		
S-6	SLO	Strategies	Great Himalaya Mountains	Airforce recruitment	Coal, Gold, Petroleum	Nature of Future war																		
S-7	SLO	Tactics	Mountains in the North	Training centres of the central armed Paramilitary forces	Fossil Fuels	Geo-Diversity																		
S-8	SLO	Grand Military Strategy	Plains in India	Training centres of the Indian Armed Forces	Alternate Resources	Significance of Geo-Diversity																		
S-9	SLO	Geo-politics	Indo-Gangetic Plain	Military Priorities	Hydro-electric power	Foreign Policy of India and South Asia																		
S-10	SLO	Geo-Strategy	Deccan Traps	Tri -services	Nuclear Power	Internal Security Environment																		
S-11	SLO	Geo-Tactics	Plateau region of the south	Paramilitary Forces	Solar Power	External Security Environment																		
S-12	SLO	Politics associated with geography	Oceans, Riverine Terrain, Seas	Multi-ethnic	Wind power	China and Super powers																		
S-13	SLO	Importance	Geography Constraints	Multi-religious	Rare Earth Minerals	Military Logistics support systems																		
S-14	SLO	Role	Territory	Multi-lingual	Lithium	Logistical Aspects																		
S-15	SLO	Relevance	Marshy Lands	Manpower Resources	Geo Thermal Potential-A Case Study of Ladakh	Trends in Military Logistics																		

Learning Resources	1. Sorenson Olav and Baum Joel AC, Geography and Strategy, Emerald , 2003.	3. Faringdon Hugh, Strategic Geography : NATO, Warsaw Pact and the Superpowers, Routledge, 1989.
	2. Sloan R Geoffrey, Geopolitics, Geography and Strategic History, Routledge, 2017.	4. Mackinder Halford, The Geographical Pivot of History, Cosimo classics, 2020.

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	15%	15%	15%	15%	15%	15%	15%	15%	30%		
	Understand											
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%		
	Analyze											
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%		
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23P04L	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	Defence and Strategic Studies	Data Book / Codes/Standards	Nil		

(Assessment Method – Fully Internal)

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

Semester VII

Course Code	USS23701J	Course Name	INDIA'S MARITIME SECURITY	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	Defense and Strategic Studies	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 the importance of Indian Ocean Region	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Educate the role of threats and extra-regional powers in Indian Ocean Region	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/PSO-1	PROFESSIONAL RELATIONSHIP 2	LIFELONG LEARNING/PSO-3
CLR-3:	Understand the Non-Traditional Security threats				H	-	M	L	M	M	-	M	H	-	-	L	-	-	H
CLR-4:	Understand the basic concepts of Maritime Security Co-operation				M	-	L	M	H	H	-	H	M	L	-	M	L	-	-
CLR-5:	Learn about the concepts of Maritime Security with reference to India				M	-	M	-	L	L	L	H	L	H	-	L	-	-	-
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			H	L	M	L	-	H	-	L	-	-	L	-	-	L	-
CLO-1:	Acquire the knowledge of strategic importance of Indian Ocean	2	75	60	H	-	-	M	M	M	-	L	L	-	-	M	-	-	-
CLO-2:	Obtain knowledge of the extra regional powers in Indian Ocean Region	2	80	70	M	-	L	M	H	H	-	H	M	L	-	M	L	-	-
CLO-3:	Obtain knowledge on the nature of Non-Traditional Security Threats	2	70	65	M	-	M	-	L	L	L	H	L	H	-	L	-	-	-
CLO-4:	Gain clear understanding on the scope of maritime co-operation	2	70	70	H	L	M	L	-	H	-	L	-	-	L	-	-	L	-
CLO-5:	Attain strong understanding on India's Maritime Doctrine	2	80	70	H	-	-	M	M	M	-	L	L	-	-	M	-	-	-

Duration (hour)	18	18	18	18	18
S-1	SLO	Introduction	Traditional Security Threats	Non-Traditional Security threats	Maritime Security Co-operation
S-2	SLO	Geo-Strategic importance of Indian Ocean	Key Issues	Piracy	Issues
S-3	SLO	Geo-Political Importance	Challenges	Maritime Terrorism	Prospects
S-4	SLO	Economic Significance	Threat Analysis	Drug Trafficking	Options for Co-operation
S-5	SLO	Littoral states of IOR	Mitigation in India's Maritime Domain	Gun Running	Legal Aspects
S-6	SLO	India's Maritime History	Regional conflicts in IOR	Illegal Migration	Naval Diplomacy
S-7	SLO	Concepts of Maritime Security	Regional Power's interests in IOR	Human Trafficking	Humanitarian Assistance
S-8	SLO	Maritime Complexities	Regional Power's influence in IOR	Environmental Security	Disaster Response
S-9	SLO	Protection of Critical Infrastructure	Extra- Regional Power's interests in IOR	Energy Insecurity	Indian Ocean Naval Symposium
S-10	SLO	Port Security	Extra-Regional Power's influence in IOR	Global Supply Chain Vulnerabilities	Indian Ocean Rim Association
S-11	SLO	Maritime Assets	Militia Ships	Illegal maritime trade	Maritime related treaties and Organization
S-12	SLO	Threats to Ports	Energy Security	Organized Crime	UNCLOS
S-13	SLO	Island Security	Sea Lines of Communication	Role of Non-State Actors	Maritime Borders
S-14	SLO	Role of Coastal Police	Mine Threats	Sabotage	Maritime Borders
					India's Maritime Security
					Naval Capabilities
					Strategic Perspective
					Maritime Doctrine
					Threat Perceptions
					Maritime Interest
					Maritime Policy
					Future of Andaman Nicobar Islands
					Malacca Dilemma
					String of Pearls
					Role of Merchant Navy
					Role of Naval Aviation
					India's Iron Curtain Strategy
					Role of QUAD

S-15	SLO	Role of Coast Guard	Minesweeping	Illegal Fishing and Usage of Banned Fishing nets	Internal Waters	Malabar Exercise and its impact
S-16	SLO	Role Of Navy	Surface Threats	Climate Change	Territorial Sea	India's Amphibious Capabilities
S-17	SLO	Role of India as a Nett Security Provider in IOR	Sub-Surface Threats	Smuggling	Contiguous Zone	Information Fusion Centre
S-18	SLO	Miscellaneous Security measures	Analysis of Nord Stream incident	Natural Disasters	Exclusive Economic Zone	Future of Indian Navy

Learning Resources	<ol style="list-style-type: none"> 1. Ravi Vohra and PK Ghosh, China and the Indian Ocean Region, National Maritime Foundation. 2008 2. Naidu GVC, Indian Navy and Southeast Asia, IDSA, 2000 3. Chaudhury Rahul Roy, Sea Power and Indian Security, Brassey's. 1995 4. C Uday Bhaskar and Cdr KK Agnihotri, Security Challenges along the Indian Ocean Littoral, Indian and US Perspectives, National Maritime Foundation, 2011 5. Raja Mohan, Maritime Strategy and Continental Wars, Routledge 1998
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 2	Understand	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 3	Apply	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Analyze	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Create	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D05J	Course Name	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS	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		Defence and Strategic Studies		Data Book / Codes/Standards		Nil																	
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Gain a foundational understanding of GIS, historical development, key concepts and components				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CLR-2 :	Exploring primary and secondary data sources, learn to acquire and access spatial and non-spatial data				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/PSO-1	PROFESSIONAL BEHAVIOUR	LIFELONG LEARNING	
CLR-3 :	Delves raster and vector data models, coordinate systems, map projections, and their application in GIS																						
CLR-4 :	Learn various methods of data input, data quality, errors, and editing techniques for spatial operations																						
CLR-5 :	Exploring diverse applications of GIS and highlights the real-world application of GIS																						
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																					
CLO-1 :	Define GIS and explain its historical development, key components and types of GIS				2	75	60	H	L	-	L	-	M	-	L	-	-	-	L	M	-	H	
CLO-2 :	Acquire and access spatial and non-spatial data from primary and secondary sources				2	80	70	M	H	-	L	L	M	M	L	L	-	-	M	M	-	-	
CLO-3 :	Manage and organize spatial data, understand and analyze different data models, apply appropriate coordinate systems and map projections for representation.				2	70	65	M	M	-	M	M	M	M	H	-	L	-	M	-	L	H	
CLO-4 :	Perform data input, ensuring data quality, employing effective data editing techniques and conducting basic spatial operations				2	70	70	H	M	-	M	M	H	M	M	L	-	-	L	-	-	L	
CLO-5 :	Recognize and apply GIS in diverse applications				2	80	70	H	H	L	M	-	M	-	L	L	M	-	M	-	L	-	
Duration (hour)		12		12		12		12		12		12											
S-1	SLO	GIS Basics: Introduction	Geographical Data Sources	Data Models	Data Input and Analysis				GIS Applications														
S-2	SLO	Definition of GIS	Primary Data Sources	Concepts and Types	Methods of Data Input				Defence/Military Applications														
S-3	SLO	Historical and development of GIS	Secondary Data Sources	Raster Data Model	Data Quality Assessment				Military Mission Planning and Locational Intelligence														
S-4	SLO	Components of GIS	Remote Sensing Data	Advantages of Raster Data Models	Data Errors and Uncertainty				Tactical Planning and Attack Modeling														
S-5	SLO	Types of GIS	Online Data Sources	Vector Data Models	Data Editing and Cleaning				3D Fences and War Maps														
S-6	SLO	Concept of Data	Spatial Data	Advantages of Vector Data Models	Database: Definition and Importance				Camouflage Detection and Reconnaissance														
S-7	SLO	Information	Non-Spatial Data	Database Management System	Spatial Data Structure				Augmented Reality and Virtual Reality Applications														
S-8	SLO	Knowledge	Importance of Spatial Data	Applications of Raster and Vector Data Models	Spatial Data Indexing and Retrieval				Nautical and Ocean Applications														
S-9	SLO	Intelligence	Data Formats and Standards	Coordinate Systems	Spatial Query and Analysis				Oil and Gas Applications														
S-10	SLO	Spatial Data	Shapefiles, Geodatabases, and Web-based Data	Map Projections	Network Analysis and Routing				Geodesy and Surveying Applications														
S-11	SLO	Spatial Science	Data Storage and Organization	Geographic Coordinate Systems	Geocoding and Address Matching				Aviation Applications														
S-12	SLO	Spatial Science and GIS	Metadata	Projected Coordinate Systems	Geoprocessing Operations				Environmental Management Applications														

S-13	SLO	Spatial Data Infrastructure	Data Acquisition Techniques	Spatial Reference Systems	Geospatial Analysis Techniques	Urban Planning and Smart City Applications
S-14	SLO	Geospatial Data Lifecycle	Data Collection Planning and Execution	Coordinate Transformation	Terrain Analysis	Natural Resource Management
S-15	SLO	Data Integration in GIS	Field Data Collection Methods	Georeferencing Techniques	Geospatial Data Visualization	Disaster Management and Emergency Response
S-16	SLO	GIS Software and Tools	Mobile GIS and GPS Technologies	Spatial Analysis Techniques	Cartographic Design Principles	Transportation Planning and Logistics
S-17	SLO	GIS Applications in Various Disciplines	Crowdsourcing and Volunteered Geographic Information	Spatial Statistics	Web GIS and Online Mapping	Public Health and Epidemiology Applications
S-18	SLO	Ethical Considerations in GIS	Open Data and Open Source GIS	Geocomputation and Geosimulation	GIS in Decision Support Systems	Agricultural and Forestry Applications

Learning Resources	<p>1. Ian, H., 2010. An introduction to geographical information systems. Pearson Education India.</p> <p>2. Lo, C. P., & Yeung, A. K. (2007). Concepts and techniques of geographic information systems. Pearson Prentice Hall.</p>	<p>3. Aronoff, S. (1991) Geographic Information Systems: A Management Perspective, WDL Publications, Ottawa, Canada</p> <p>4. Kang-tsung Chang (2002) Introduction to Geographical Information Systems, Tata McGraw-Hill Publishing Company Limited, New Delhi.</p>
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
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2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D06J	Course Name	WMD AND NATIONAL SECURITY	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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1:	Imparting the significance of basic concepts of disarmaments	1 2 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
CLR-2:	Imparting the basic understanding of weapons of mass destruction	Level of Thinking (Bloom)	Fundamental Knowledge
CLR-3:	Understand the various conventions on WMD	Expected Proficiency (%)	Application of Concepts
CLR-4:	Educate the new challenges of WMD	Expected Attainment (%)	Link with Related Disciplines
CLR-5:	Learn about the Theory of deterrence and concept of star war		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/PSO-1
			PROFESSIONAL BEHAVIOR/PSO-2
			LIFELONG LEARNING/PSO-3

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Program Learning Outcomes (PLO)
CLO-1:	Acquire knowledge of theory of disarmaments and arms control	2	75	60	H - L M - - - L L L - L L - M
CLO-2:	Acquire a strong knowledge of WMD like CW, BW and Radiological	2	80	70	M L L - - - M M H H M - - -
CLO-3:	Obtain knowledge of NPT, CTBT, MTCR, SALT I / II, NSG	2	70	65	M M M - L L - H M H H L - - -
CLO-4:	Gain clear understanding of nuclear terrorism and Proliferation	2	70	70	H M L - M H - - - H L - L - -
CLO-5:	Attain strong understanding of Star war and NMD, TMD Hotlines and AD system	2	80	70	H H - M - M - L L M H M - - -

18	18	18	18	18
S-1	Basic Concepts of Disarmaments	Weapons of Mass Destruction	Conventions	New Challenges
S-2	Theory of Disarmaments	Nuclear weapons	Chemical weapons Convention	And Responses
S-3	Concepts of Disarmament & Arms Control	Tactical weapon	Biological weapons Convention	Missile Defence
S-4	Historical context of Disarmaments	Strategic Nuclear weapon	Concept of Nonproliferation	Cooperative Threat Reduction
S-5	Objectives of Disarmaments	Chemical Weapons	Nonproliferation Treaty	G-8 Global Partnership
S-6	Conditions of Disarmament	Type of CW	NPT	Disarmament &
S-7	International, bilateral and multilateral Disarmament	Effects of CW	TBT	Arms Control
S-8	Elements or arms control mechanisms	Biological Weapons	CTBT	Economic Development
S-9	Negotiation and Agreements	Type of BW	PTBT	Nuclear Terrorism
S-10	Verification and certification	Effects of BW	MTCR	Access to terrorism organization
S-11	Inspection and control	Radiological	FMCT	Nuclear Proliferation
S-12	Historical Survey of Disarmament & Arms control	Dirty BOMBS	SALT -1	State actor proliferation
S-13	Under the league of Nations	Effect of nuclear explosion	SALT -2	Non State actor proliferation
S-14	Under the United Nations	Flash Heat	START -1	Pakistan case study
S-15	Unilateral	Blast and Radiation	START -2	China case study
S-16	Bilateral	Traditional arms control	NSG	Kim Philby case study
S-17	Multilateral	Disarmaments	Others treaties	North Korean case study
S-18	Coercive	Nuclear Arms Limitation	Nuclear Export control regimes	Dual use of technology
				Concept of Star Wars
				National Missile Defence
				Space based strategic defence initiative
				Concept
				Theory of Deterrence
				Nuclear
				Conventional
				Space based battle stations
				Counter Measures
				NMD
				TMD
				Deefcon
				Hot lines
				Laser warfare
				Multiple reentry vehicle
				ICBM
				SLBM
				Air Defence System

Learning Resources	1. Emile Benoit & K.E. Bonding, (1963) Disarmament and the economy, Harper & Publisher, New York 2. Faramazyar, R (1981) Disarmament and the economy, Progress Publisher, Moscow 3. Kenndy, Garin (1974) The Military in the thir world, The Garden City Press, London 4. Military Balance (Lastest Edition), IISS, London 5. Mishra PK (1989) Arms Race Disarmament and Indian Ocean, UDH Publishing House, New Delhi 6. SIPRI Year Book, 7. Strategic Analysis, IDSA, New Delhi 8. Stategic Digest, IDSA, New Delhi 9. Strategic Survey, (latest Edition) IISS London
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjan, Assistant Professor and Head, Dr.MGR Educational and Research Institute , Maduravoyal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23G05T	Course Name	HIGHER DEFENCE ORGANIZATION	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	Defence and Strategic Studies	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR): After undergoing this course a student will be in position to		Learning			Program Learning Outcomes (PLO)														
CLR-1 :	To understand the foundation modern Indian armed forces and their ranks/medal/tradition	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To study about higher defence organization of india and minster of defence	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/PSO-1	PROFESSIONAL	LIFELONG LEARNING/PSO-
CLR-3 :	To study about Indian army and their function				H	-	L	M	-	-	-	L	L	L	-	L	-	-	M
CLR-4 :	To study about Indian airforce and their function				M	-	L	M	-	L	-	L	-	-	L	-	-	L	-
CLR-5 :	To study about Indian navy and their function				M	L	-	L	L	L	M	L	-	-	-	-	L	-	-
					M	L	-	L	L	L	M	L	-	-	-	-	L	-	-
Course Learning Outcomes (CLO): At the end of this course, learners will be able to:																			
CLO-1 :	Analyze the Indian military organization	3	80	70															
CLO-2 :	Know the higher defence organization and NSC	3	85	75															
CLO-3 :	Understand the various formation of army	3	75	70															
CLO-4 :	Understand the various formation of airforce	3	85	80															
CLO-5 :	Understand the various formation of navy	3	85	75															

Duration (hour)	12	12	12	12	12
S-1	SLO	Military organization and Principles of Administrations	Higher defence organization of india	Indian army Organization	Fighter squ, bomber sqn, transport sqn, helicopter sqn and Air defence sqn
S-2	SLO	Military organization in india before 1947	Power of the president of india in relation of defence	Organization of army HQ	Indian Navy Organization
S-3	SLO	Kitchener's Reforms	Role and function of ministry of defence	Role of COAS and PSOs	Organization of Navy HQ
S-4	SLO	Indian armed forces after 1947	Composition of defence committees	Static formation of Indian army	Role of CNS and PSOs
S-5	SLO	Reconstruction of Indian Army	Function of Defence Committees	Field Formation of Indian Army	Role of PSO's
S-6	SLO	Reconstruction of Indian Navy	Rationale	Fighting arm and supporting service and supporting corps	Static Formation of Indian navy
S-7	SLO	Reconstruction of Indian Air Force	National Security Council	Indian Airforce organization	Field Formation of Indian Navy
S-8	SLO	Civil-Military Relations	Role and Relevance	Organization of Air Force HQ	Warships, aircraft carrier, frigate, destroyers, submarine and supporting vessels
S-9	SLO	The India Defence Forces	Chief of staff and joint service organization	Role of CAS	Special force command
S-10	SLO	Rank structure of the three services and Medals for Indian armed forces	Integrated HQ,	Role of PSO's	NSG, PARA SF

S-11	SLO	Requitment methods for defence services	Ministry of defence	Static formation of Indian Airforce	GARUD SF, MARCOS, RR	Role and Relevance of NSG
S-12	SLO	Important training institution of the three services	Their role and function	Field Formation of Indian Air Force	Theater Command	Sashastra seema Bal (SSB)

Learning Resources	1. Govt of india (1924) The army of india and its evolution, calcutta. 2. Minister of defence, Government of India, Indian Armed Forces Year books (annual) 3. Palit D K, (1989), Essentials of Military Knowledge, New Delhi, 4. Singh Nagendra, (1967) Defence Mechanism of Modern State, New Delhi,	5. Venkateswaran, A L (1967) Defence Organization in india, New Delhi 6. Brig Rajendra Singh – Organisation and Administration in the india army 7. Lt Col Abhyankar M G – Defence, Principles and organization
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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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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		
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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23G06J	Course Name	CONTEMPORARY STRATEGIC ENVIRONMENT IN INDIA	Course Category	G	Generic 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	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):		The purpose of learning this course is to:			Learning			Program Learning Outcomes (PLO)																				
CLR-1:	Impart the basic knowledge of Jammu Kashmir Crisis				Level of Thinking (Bloom)	1	2	3	Fundamental Knowledge	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
CLR-2:	Educate regarding the Islamic Fundamentalism									Application of Concepts																		
CLR-3:	Understand the strategy played by China									Link with Related Disciplines																		
CLR-4:	Understand the intricacies of Middle East									Procedural Knowledge																		
CLR-5:	Learn about the origin of Korean Conflict									Skills in Specialization																		
										Ability to Utilize Knowledge																		
										Skills in Modeling																		
										Analyze, Interpret Data																		
										Investigative Skills																		
										Problem Solving Skills																		
										Communication Skills																		
										Analytical Skills																		
										ICT SKILLS/PSO-1																		
										PROFESSIONAL BEHAVIOUR-2																		
										LIFELONG LEARNING-3																		
Course Learning Outcomes (CLO):					At the end of this course, learners will be able to:																							
CLO-1 :	Acquire knowledge on the Jammu Kashmir Crisis				2	75	60		H	-	M	L	M	L	-	M	H	L	-	L	-	-	M					
CLO-2 :	Acquire a strong knowledge on Islamic Fundamentalism				2	80	70		M	L	M	L	L	L	-	M	M	L	L	M	L	-	M					
CLO-3 :	Obtain knowledge on the strategy played by China				2	70	65		M	L	M	L	L	L	-	M	M	L	L	M	-	-	M					
CLO-4 :	Gain clear understanding on the issues of Middle East				2	70	70		M	L	M	L	L	L	-	M	M	L	L	M	-	-	M					
CLO-5 :	Attain understanding on Korean Issue				2	80	70		M	L	M	L	L	L	-	M	M	L	L	M	-	-	M					

Duration (hour)	18	18	18	18	18
S-1	SLO	Jammu Kashmir Crisis	Islamic Fundamentalism	Chinese Conundrum	The Middle East Saga
S-2	SLO	Genesis - migration	Taliban/Daesh/AI quada, Al hind./ ISIS JeM/LET/ etc	Line of Actual Control	Israel-Palestine Conflict- Genesis
S-3	SLO	Separatism	Durand Line/POK	Uyghur Crisis	Arab-Israeli Wars
S-4	SLO	JKLF – Insurgency	War on terror/ 2001-2021	Tibetan issue	India's relations with Israel
S-5	SLO	Cross Border Terrorism	Causes of War on Terror	South China Sea disputes	India's relations with Palestine
S-6	SLO	Narcotics/ Drug	Consequences	Nine Dash Line	Rise of ISIS
S-7	SLO	Small Arms Smuggling	Civil Government in Afghanistan post 2001	India-ASEAN relations	ISIS in Syria
S-8	SLO	Fake Indian Currency notes	Sectarian dived and ethnic dived	Belt and road initiative	ISIS in Iraq
S-9	SLO	Money laundering	Role of Northern Alliance	Sino-Indian relations	Challenges and Responses
S-10	SLO	Contemporary trends	Resurgence of Taliban	Strings of Pearls	Significance of I2U2 Group
S-11	SLO	Surgical Strikes	Role of Pakistan, US, China Iran and India	China Taiwan crisis	US relations with Israel
S-12	SLO	Effects of Surgical Strikes	Fall of Afghanistan	Relevance of Indo-Pacific	Significance of I2U2 Group
S-13	SLO	Article 370 - 35A	Emerging security challenges in Pakistan	Significance of Indo-Pacific Command	India Israel relation
S-14	SLO	State bifurcation	Army – civil leadership	Act East Policy	India roles in West Asia
					Korean Peninsula
					Kim il Sung
					Operation Mincemeat
					De-militarized Zone
					India's relations with Korea
					Contemporary Trends
					Tensions between the Korea
					Kim jong IL
					Confidence Building Measures
					Nuclear tests
					US presence
					Militarization
					Kim jong UN era
					Impact of Nuclear Tests

S-15	SLO	Integration	Pakistan Economic crises	Role of Quad	India relation with Gulf states - KSA, UAE, IRAQ, Sriya	Military Capability of North Korea
S-16	SLO	Special force /JKSF/RR/AS/NSG	Pakistan China axis	US China trade war	India Iran relationship	North korea and US korea summit (Singapore)
S-17	SLO	NIA	CPEC case study	China's internal political situation	KSA and IRAN relationship	ICBM test
S-18	SLO	Role of CAPF (Cobra/BSF)	Pakistan nuclear security	Development in PLA	China roles in west asia	India interest in Korean Peninsula

Learning Resources	1. Latest India Year Book	2. Annual Reports of Ministry of Defence, Ministry of Home Affairs, Ministry of External Affairs
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23P03L	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	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	Data Book / Codes/Standards			Nil

Guidelines for Internship:

- Students must undergo industrial training after completing Second semester examination for a period of two weeks to four weeks
- Industries can be Micro, Small, Medium or Large Scale
- Students can be engaged in Administration, HRM, Marketing, Sales, Law Firms and Finance Departments, Defence Factories and related field
- Students should submit a acceptance letter from the industry for his/her Internship
- Students must adhere to the rules and regulation of the place of work.
- Students must submit a Training Report along with training certificate. Issued by the industry
- Report should have the following
 - Industry Profile
 - Company Profile
 - Job Profile
 - Internship Training Details
 - Feedback of the Training
- Reporting Format – Minimum of 50 Pages and Maximum of 60 Pages – Times New Roman Font – Font Size – Heading 14 and Content 12 – Line Spacing – 1.5
- Report should be submitted before the end of Fifth Semester
- Report will be evaluated by the Faculty in charge and Viva will be conducted at the end of the Semester
- Marks Will be awarded as follows – Internal Viva 50 Marks and End Semester Viva 50 Marks
- If the Student has chosen this Industrial Training as Elective and Failure to undergo the training or submit the report will treated as failure in that course and the students has to redo in the forthcoming semesters
- Report Submission - One Hardcopy and One Soft Copy has to be submitted through mail in PDF Format. Hardcopy will be returned to the student after completion of End Semester Examination

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

Course Code	USS23P05L	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	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	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 understand the basics of defence studies				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To know about the complexities involved in the international environment				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 explore risk associated with the national security																					
CLR-4 :	To learn about different natural resources																					
CLR-5 :	To know about different techniques related to diplomacy																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																				
CLO-1 :	To conceptualize a novel idea or a concept				3	80	70	H	H	M	H	L	M	-	H	-	H	-	H	M	-	H
CLO-2 :	To think in terms of multi-disciplinary environment				3	80	75	M	H	M	H	-	M	-	H	-	H	L	H	M	-	H
CLO-3 :	To understand the management techniques of implementing a tough decisions				3	85	70	M	H	M	H	-	M	-	H	-	H	-	H	M	M	H
CLO-4 :	To understand how resources play a role in country's development				3	85	80	M	H	M	H	-	M	-	H	-	H	-	H	M	-	H
CLO-5 :	To gain an awareness how to conduct in both professional and diplomatic manner				3	85	75	M	H	M	H	-	M	-	H	-	H	-	H	M	-	H

Students can choose any issues or problems of their own interest to conceptualize their own solutions. There will be two reviews 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				
Project Work	Continuous Learning Assessment (50% weightage)		Final Evaluation (50% weightage)	
	Review – 1	Review – 2	Project Report	Viva-Voce
	20%	30 %	30 %	20 %

Semester VIII

Course Code	USS23801T	Course Name	LEGAL ASPECTS OF INTERNATIONAL SECURITY	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	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1:	Impart the knowledge of basic aspects of International Law	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Educate regarding the basic laws of warfare	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/PSO-1	PROFESSIONAL BEHAVIOUR/PSO-2	LEADERSHIP/PSO-3
CLR-3:	Understand the legal terms				M	-	L	L	-	L	-	M	L	-	-	L	-	-	L
CLR-4:	Understand the proceedings of International Law				M	L	L	L	M	-	-	M	M	L	L	-	-	L	-
CLR-5:	Learn about the concepts of legal mechanisms in place				M	-	M	-	-	L	L	M	-	-	-	L	L	-	-
					H	-	-	L	-	-	-	L	L	L	L	-	-	-	-
					H	-	-	L	-	-	-	-	-	-	-	L	-	-	-

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)															
CLO-1:	Acquire knowledge of the basics of International Law	2	75	60	M	-	L	L	-	L	-	M	L	-	-	L	-	-	L
CLO-2:	Acquire a strong knowledge on different laws of warfare	2	80	70	M	L	L	L	M	-	-	M	M	L	L	-	-	L	-
CLO-3:	Obtain knowledge on terms associated with the international law	2	70	65	M	-	M	-	-	L	L	M	-	-	-	L	L	-	-
CLO-4:	Gain clear understanding of how the international law works	2	70	70	H	-	-	L	-	-	-	L	L	L	L	-	-	-	-
CLO-5:	Attain strong understanding on legal systems	2	80	70	H	-	-	L	-	-	-	-	-	-	-	L	-	-	-

Duration (hour)	12	12	12	12	12
S-1	SLO	Introduction	Laws of Land, Sea and Air Warfare	Laws of Neutrality	Management of International Law
S-2	SLO	Definition	Introduction	Definition	War
S-3	SLO	History and Development	Land Warfare-Meaning and Definition	Meaning and concept	Meaning and Definition
S-4	SLO	Nature	Laws of Land Warfare	Neutrality	Legal Character
S-5	SLO	Source and Codification	Maritime Warfare-Meaning and Definition	UN Charter	Effects
S-6	SLO	International Law	Laws of Maritime Warfare	Hostility in neutral territory	International Disputes
S-7	SLO	Municipal Law	Aerial Warfare-Meaning and Definition	neutral lands,	Pacific Means
S-8	SLO	Meaning	Laws of Aerial Warfare	neutral waters,	Negotiation, Enquiry
S-9	SLO	Definition	Geneva Conventions	neutral airspace,	Mediation, Concilation
S-10	SLO	Relationship between International Law and Municipal Law	War Crimes	Prizes	Arbitration, Judicial, International agencies
S-11	SLO	Similarities	Nuremberg Trials	Contraband	Coercion
S-12	SLO	Differences	Genocide	Enemy Character	Use of Force, Threats
					Legal Mechanisms
					Blockade
					Concepts
					Establishment
					Kinds
					Penalties for Breach
					Prize Courts
					Role and Importance
					International Court of Justice
					Role and Functions
					Relavance of ICJ
					Case Studies of ICJ

Learning Resources	1.	Starke JG, Introduction to International Law, Butterworths Law, 1989.	3.	Chavan RS, An approach to International Law, Sterling, 1971.
	2.	Tandon MP and Rajesh Tandon, An Introduction of International Law, Allahabad Law agency, 1987.	4.	Kapoor SK, International Law, Allahabad law agency, 1989.
			5.	Jennings Robert and Watts Arthur, Oppenheim's International Law, Oxford, 2008.

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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	DSS23D07J	Course Name	CYBER SECURITY	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	Defense and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)														
CLR-1:	Imparting the basic idea regarding the Cyber world	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2:	Understand the methods involved in cyber crime	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/PSO-1	PROFESSIONAL BEHAVIOUR	LIFELONG LEARNING/PSO-2
CLR-3:	Gain Information on how does cyber area affects the national security																		
CLR-4:	Educate regarding the pre-cautionary measures to be undertaken																		
CLR-5:	Learn about the defensive measures																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLO-1:	Acquire the elementary thought about the cyber space	2	75	60	H	M	M	-	M	M	L	M	H	L	-	L	H	-	H
CLO-2:	Obtain awareness about the many nature of cyber crimes	2	80	70	H	-	M	L	L	-	-	M	M	M	-	M	-	L	-
CLO-3:	Obtain knowledge on how not to get affected	2	70	65	M	M	M	L	L	L	-	H	M	M	L	-	-	-	-
CLO-4:	Awareness regarding what should be done	2	70	70	H	M	L	L	L	H	-	-	-	-	-	-	-	-	-
CLO-5:	Getting to know about the various tools and provisions already existing	2	80	70	H	H	-	M	L	M	-	L	L	M	-	L	-	-	-

Duration (hour)	15	15	15	15	15
S-1	SLO Cyber Technologies	Types of Cyber Crime	Impact of Cyber Crime on national security	Detection Methodologies	Information Warfare
S-2	SLO Introduction	Hacking	Nature	Prevention Methodologies	Introduction
S-3	SLO Nature	Password Cracking	National Security Impact	Training to the staff	Information Warfare in Global Information Environment
S-4	SLO Importance	Logic Bombs	Cyber Command	software and systems fully up to date	Technologies for Information warfare defence
S-5	SLO Significance	Virus Dissemination	Impact on Armed Forces	Ensure Endpoint Protection	Protection and Detection
S-6	SLO Relevance	Denial of Service Attacks	Impact on Law Enforcement agencies	Install a Firewall	Detection
S-7	SLO Information Systems	Virus Dissemination	Information systems	Backup your data	Defence posture re-alignments
S-8	SLO Networks	Phishing	Information systems	Control access to your systems	Triage
S-9	SLO Local Area Network	Spamming	Impact on national economy	Access Management	Offensive technologies
S-10	SLO Wide Area Network	Insecure Network Connection	Impact on national Market	Access Management	Information infrastructure weapons, Information Content Weapons
S-11	SLO Military Sensors	Web Jacking	Impact on Citizen Security	Wifi Security	Intelligence support technologies
S-12	SLO Reliance on cyber networks	Cyber Stalking	Citizen Security	Confidential and trust	Enemy Profiling
S-13	SLO Futuristic role of Artificial Intelligence	Data Diddling	Role of Computer Emergency Response Team	Vulnerability Scanning, Penetration testing	Targeting, Support for attack prioritization
		Identity theft			

S-14	SLO	Quantum Computing and its impact on India	Piracy	Examples on Ransomware Attack	Risk Assessment, Security Audit	Intelligence preparation, damage assessment
S-15	SLO	Cloud Computing and Cloud Security	Theft at Tele-Communication Services	Cyber laws in India	Secure Code review, Security Posture Assessment	Modeling and simulation, Getting there

Learning Resources	<ol style="list-style-type: none"> Godbole Nina, Cyber Security, Wiley India, New Delhi, 2011. Kim Andreasson, Cyber Security-Public sector threats and responses, CRC Press, Boca Raton, Florida, 2012. Beidleman Scott W, Defining and Deterring cyber war, Master's Thesis, US Army war college, 2009. Borum Randy and Ronald Sanders, Cyber Intelligence : Preparing today :for tomorrow's threats, Intelligence and National Security alliance, 2015. Lin V Choi, ed., Cyber Security and Homeland Security, Nova Publishers, New York, 2005 Shoemaker Dan and Conklin, Arthur, Cyber Security :The Essential Body of Knowledge, Cengage Learning, 2011.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
Level 3	Analyze	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	Evaluate										
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D08J	Course Name	NON-TRADITIONAL SECURITY THREATS			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		Defence and Strategic Studies			Data Book / Codes/Standards		Nil																			
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning			Program Learning Outcomes (PLO)																	
CLR-1 :	Imparting the understanding of Non-Traditional Security Threats				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 :	Understanding about the energy and environmental security							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/PSO-1	PROFESSIONAL RELATIONSHIP 2	LIFELONG LEARNING/PSO-3				
CLR-3 :	Undersanding the concept of illegal migration																									
CLR-4 :	Imparting the knowledge of different types of Organized Crimes																									
CLR-5 :	Learn about the basic elements of security																									
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																								
CLO-1 :	Acquire the knowledge of non traditional security threats and its relevance				2	75	60	H	-	L	L	M	L	L	M	H	-	-	L	-	-	-	H			
CLO-2 :	Acquire a strong knowledge of Energy and Environmental Security				2	80	70	M	-	L	-	M	-	-	M	M	L	-	M	L	-	-				
CLO-3 :	Gain Clear understanding of illegal migration and its consequences				2	70	65	M	-	M	-	L	L	-	H	M	L	-	L	-	-	-				
CLO-4 :	Obtain Knowledge on the nature of Organized crimes				2	70	70	H	-	L	-	M	L	-	L	M	M	-	L	-	-	-				
CLO-5 :	Gain clear understanding regarding the elements of security				2	80	70	H	L	-	M	-	M	-	L	L	M	L	M	-	L	-				
Duration (hour)		15		15		15		15							15											
S-1	SLO	Understanding Non-Traditional Security Threats		Energy Security – Definition		Illegal Migration – Definition		Organized Crimes -- Definition							On Security											
S-2	SLO	Significance		Meaning and Concept		Meaning and Concept		Meaning and concept							Actors and Stakeholders											
S-3	SLO	Relevance		Global Trade in Energy Security		Effects		Types of Organized Crime							Conflicts											
S-4	SLO	Human Security-Definition		Measures to Enhance Energy Security		Methods of Illegal migrations		Narco -Terrorism							Community Security											
S-5	SLO	Meaning and Concept		Global and Indian Initiatives		Problems faced by illegal migrants		Small Arms Proliferation							Food Security											
S-6	SLO	Assessing Human Security		Challenges to Energy Security		Illegal Migration with reference to India's context		Drug Trafficking							Water Security											
S-7	SLO	Violent Conflict as a threat		Environment Security – Definition		Effects on Demography		Human Trafficking							Information Security											
S-8	SLO	Humanitarian Impact		Meaning and Concept		Religious Extremism- Definition		Transnational Crime							Natural Disasters											
S-9	SLO	Economic Impact		Types of Environmental Security		Meaning and Concept		Contract Killings							Poverty											
S-10	SLO	Terrorism		Significance		Causes of religious extremism		Kidnapping							Nuclear Security Issues											
S-11	SLO	Health Related Threats		Challenges to Environmental Security		Challenges		Smuggling							Pollution											
S-12	SLO	Autocratic Government		Deforestation		Consequences		Chemical Weapons Proliferation							Economic Security											
S-13	SLO	State Vulnerability		Desertification		Remedies		Biological Weapons Proliferation							India's Response											
S-14	SLO	Political Instability		Reclamation of Wet Lands		Role of Media		Political Corruption							Importance of Standard Operating Procedures											
S-15	SLO	Role of United Nations Development Programme		Damming of Rivers		Role of Media		Arms Trafficking							Role and Relevance											

Learning Resources	1. Kimberley L Thachuk, Transnational Threats : Smuggling and trafficking in arms, drugs and human life. 2007	4. Richard A Mathew and John Barnett and Bryan Macdonald and Karen L O'Brien, Global Environment Change and Human Security, 2010.
	2. Sovacool K Benjamin, The Routledge Handbook of Energy Security, Singapore. 2011	5. Margarit E Beare, Critical reflection on transnational organized crime, money laundering and corruption. 2003.
	3. Joakim Palme, Kristof Tamas, Globalizing Migration Regimes : New Challenges to Transnational Co-operation. 2006	

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

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D09T	Course Name	INTERNATIONAL TERRORISM			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		Defence and Strategic Studies			Data Book / Codes/Standards																								
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning			Program Learning Outcomes (PLO)																				
CLR-1 :		Imparting the significance of Terrorism				Level of Thinking (Bloom)	1	2	3	Fundamental Knowledge	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
CLR-2 :		Imparting the basic understand how to counter terrorism																											
CLR-3 :		Understand the Law enforcement mechanism and human rights																											
CLR-4 :		Educate the role of Finance and terrorism																											
CLR-5 :		Learn about the roots and structure finance funded agency to terrorist org																											
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																											
CLO-1 :		Acquire knowledge of Terrorism. Aims, Beliefs and terrorist groups				2			75			60																	
CLO-2 :		Acquire a strong knowledge how to couter terrorism organization and objectives				2			80			70																	
CLO-3 :		Obtain knowledge on Role of law enforcement mechanisam and human rights issues				2			70			65																	
CLO-4 :		Gain clear understandin rootes and structure of terrorist financial funding area.				2			70			70																	
CLO-5 :		Attain strong understanding on Terrorist economy and counter financial grid of terrorist				2			80			70																	
Duration (hour)		12		12		12		12		12																			
S-1	SLO	Conceptualizing and Defining Terrorism		Counter terrorism		Law Enforcment mechanism and counter terrorism		Finance and terrorism		Psychological, Radicalisation, Counter- Radicalisation and De-radicalisation																			
S-2	SLO	Ideologies, aims, beliefs and motivations		Concept of Counter terrorism		Human rights violations		Roots and structure of terroirst financing: Political, Economical and state sponsored		Attitude of terrorist, Life Philosophy and life cycle of terrorist																			
S-3	SLO	Tracing the roots of terrorism-		Meaning of counter terrorism		India's Counter Terrorism effort		Black market (Intl and nat)		Psychological of terrorist and characteristics																			
S-4	SLO	Nature of modern terrorism, Type of Threats		National Terrorism		International community		State sponsored financing mechanism : Historical Review		Psychological traps : Emotional, Instiutional and Religious																			
S-5	SLO	Terrorist groups		International Terrorism		Role of Media and technologin counter terrorism		Global politics, Geo-economical		Psychological Techniques and strategy, Brain washing, suicide attackers, Lone Wolf attackers, Hostages, Suicide Bombing																			
S-6	SLO	Terrorist campaign		Factor sustaining terrorism		Role of technology in counter terrorism		context of terrorist funding.		Psychological Approaches to counter terrorism.																			
S-7	SLO	State terrorism		Local support		Perception		Terrorist Economy- Contemporary nature case study – Taliban ISIS, NSCN, IM, JeM		Psychological Preparedness, Repsonse and Recovery: Governmental, Community and Individual Level																			
S-8	SLO	Non -state terrorism		Financial support		Propaganda		Narco-Terrorism, Black money, Money Laundering		Terrorist Victimology: Radicalisation, Counter-Radicalisation and De-Radicalisation																			
S-9	SLO	Types of Terrorism		Illegal trades		Social media		Evolution Counter Mechanisma of terrorist financing		Psychological impact of News, Role of Media and social media																			

S-10	SLO	National Terrorist,	Failed states	Vulnerable population	Digital Economy: Threat, Anticipation, Preparedness and Defence	Psychological Resilience in terrorist Incident
S-11	SLO	Revolutionary terrorist	Counter Terrorism: India's Security Policy	International Community	Role of Military and Police in Counter Terrorist Financing	Role of Religion, Spirituality in Copy terrorism
S-12	SLO	Religious Extermism	Legislation Historical Review,	Perception Management	International strategy to counter terrorism financing	Role of Psychological techniques in coping terrorism

Learning Resources	<ol style="list-style-type: none"> 1. Mahan, Sue & Pamalal, Griset (2008) Terrorism in Perspective, London : Saga 2. Kartha, Tara, (1999) Tools of Terror : Light Weapons and India's Security : New Delhi, IDSA 3. Brass, Paul R (1991) Ethnicity and Nationalism : New Delhi, Saga Publicaiton 4. Lequeur, Walter (2003) No End to War : New York Continuum. 5. Lequeur, Walter (1999) The New Terrorism : Oxford, Oxford University Press 6. Osnaka, Frankline Mar (1962) Modern Guerrilla Warfare, The Free Press of Glencoe, New York 7. Guevara, Che (1969) Guerrilla warfare, Penguin, London 8. Bunker, R J (2014) Networks, Terrorism and Global insurgency, New York Routledge. 9. Gupta D K (2008), Understanding terrorism and political Violence, The life cycle of birth growth, transforamtion and demise, London Routledge. 10. Marting G (2013) Essentials of terrorism : Concepts and Controversises, London : Sage Publicaiton. 11. Richardson, L (2013), The Roots of Terrorism : an overview, Routledge, New York
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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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23D10T	Course Name	Regional Security and Cooperation		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		Defence and Strategic Studies		Data Book / Codes/Standards																			
Course Learning Rationale (CLR):		The purpose of learning this course is to:				Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Comprehensive Understanding Regional security and cooperation					1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Explores various traditional and nontraditional security threats																						
CLR-3 :	Students will critically evaluate regional security mechanisms																						
CLR-4 :	Equips students with knowledge of conflict resolution and peacebuilding																						
CLR-5 :	Students will explore the interconnections between regional security and global security																						
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	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/PSO-1	PROFESSIONAL	LIFELONG
CLO-1 :	Understanding regional security historical evolution, theories and approaches					2	75	60	H	-	L	M	L	M	-	M	H	L	-	L	-	-	H
CLO-2 :	Analyze and assess traditional and non-traditional security threats					2	80	70	M	-	M	L	M	M	-	M	M	L	-	M	L	-	-
CLO-3 :	Critically evaluate the roles and effectiveness of regional security mechanism					2	70	65	M	-	M	-	L	L	-	H	M	L	-	L	-	L	-
CLO-4 :	Analyze regional conflicts, peace building process and conflict management					2	70	70	H	-	L	-	M	H	-	H	M	L	-	L	-	-	-
CLO-5 :	Analyze the impact of globalization, power politics and global challenges on regional security					2	80	70	H	L	H	M	M	M	L	L	L	L	L	M	-	-	-
Duration (hour)		12		12		12		12		12		12											
S-1	SLO	Introduction to Regional Security and Cooperation		Threats to Regional Security		Regional Security Mechanisms and Institutions		Regional Cooperation in Conflict Management		Regional Security and Global Interactions													
S-2	SLO	Concepts and definitions of regional security and cooperation		Traditional security threats: interstate conflicts and border disputes		Comparative analysis of regional security organizations (e.g., NATO, ASEAN, AU)		Approaches to conflict prevention and management in regional contexts		Interplay between regional security dynamics and global power politics													
S-3	SLO	Historical evolution of regional security arrangements		Arms proliferation and regional arms control efforts		Collective defense mechanisms and their effectiveness in regional contexts		Mediation and negotiation processes in regional conflicts		Globalization and its impact on regional security and cooperation													
S-4	SLO	Theories and approaches to studying regional security		Non-traditional security threats: terrorism and counterterrorism strategies		Regional economic integration and its contribution to security and stability		Peacebuilding and post-conflict reconstruction efforts		Regional responses to global challenges: climate change, pandemics, and migration													
S-5	SLO	Regional security dilemmas and balancing mechanisms		Transnational organized crime and its impact on regional security		Regional early warning systems and crisis management mechanisms		Role of regional actors in peace processes		Regional security cooperation and the United Nations system													
S-6	SLO	Regional security complexes and sub-systems		Cybersecurity challenges and regional responses		Confidence-building measures and arms control agreements		Regional security architectures and conflict resolution mechanisms		Regional security arrangements and their influence on international relations													
S-7	SLO	Role of regional organizations and institutions in promoting security		Ethnic and religious conflicts and their implications for regional security		Role of regional security institutions in conflict prevention		Economic interdependence and peacebuilding in regional contexts		Regional organizations' roles in regional conflict resolution and global peacekeeping													
S-8	SLO	Regional security challenges in the post-Cold War era		Environmental challenges and their security dimensions		Challenges and limitations of regional security mechanisms		Regional responses to state fragility and failed states		Regional economic integration and its implications for global trade and development													
S-9	SLO	Regional integration and its impact on security and cooperation		Resource conflicts and regional stability		Humanitarian intervention and regional peacekeeping operations		Regional initiatives for disarmament and demobilization		Regional security alliances and their impact on global security architecture													

S-10	SLO	Security cooperation frameworks: bilateral, multilateral, and plurilateral arrangements	Energy security and regional dynamics	Regional responses to mass atrocities and human rights violations	Role of civil society in regional conflict resolution efforts	Regional perspectives on non-proliferation and disarmament
S-11	SLO	Regional security architectures and their components	Water security and inter-state disputes	Maritime security and regional cooperation	Gender perspectives in regional peacebuilding	Regional security cooperation and the fight against transnational crime
S-12	SLO	Regional identity and its influence on security dynamics /Case studies on successful regional security initiatives (e.g., European Union, Organization of American States)	Climate change and its impact on regional security /Regional dynamics of power politics and their influence on security	Counterterrorism cooperation among regional actors / Regional responses to pandemics and public health emergencies	Case studies on successful conflict resolution efforts in different regions / Lessons learned and best practices in regional conflict management	Regional responses to humanitarian crises and forced displacement

Learning Resources	1. Buzan, B., & Wæver, O. (2009). Regions and Powers: The Structure of International Security. Cambridge University Press. 2. Acharya, A. (2014). Constructing a Security Community in Southeast Asia: ASEAN and the Problem of Regional Order (2nd ed.). Routledge. 3. Adler, E., & Barnett, M. (Eds.). (1998). Security Communities. Cambridge University Press. 4. Mearsheimer, J. J. (2001). The Tragedy of Great Power Politics. W. W. Norton & Company. 5. Jones, S. G. (2017). Security, Strategy, and Military Change in the 21st Century: Cross-Regional Perspectives. Georgetown University Press.	6. Diez, T., & Wiener, A. (Eds.). (2009). European Integration Theory (2nd ed.). Oxford University Press. 7. Jervis, R. (2017). How Statesmen Think: The Psychology of International Politics. Princeton University Press. 8. Hurrell, A. (Ed.). (1992). Regionalism in World Politics: Regional Organization and International Order. Oxford University Press. 9. Stivachtis, Y. (Ed.). (2014). The Ashgate Research Companion to Regionalisms. Routledge. 10. Katsumata, H., & DeLisle, J. (Eds.). (2017). Rising China's Influence in Developing Asia. University of Pennsylvania Press.

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	30%	-	30%	-	30%	-	30%	-	30%	-
	Understand										
Level 2	Apply	30%	-	30%	-	30%	-	30%	-	30%	-
	Analyze										
Level 3	Evaluate	40%	-	40%	-	40%	-	40%	-	40%	-
	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.,

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	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23G07J	Course Name	INTERNAL SECURITY OF INDIA	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	Defense and Strategic Studies	Data Book / Codes/Standards			Nil

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
CLR-1 :	Imparting the significance of threats faced by India	1 2 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
CLR-2 :	Imparting the basic understanding of Insurgency		
CLR-3 :	Understanding the basics of cyber security		
CLR-4 :	Educate the role of security forces		
CLR-5 :	Learn about the challenges faced		

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	ICT SKILLS/PSO-1	PROFESSIONAL BEHAVIOR/PSO-2	LIFELONG LEARNING/PSO-3
CLO-1 :	Acquire knowledge of various aspects of threats faced by India	2	75	60	H	-	L	M	L	L	-	M	H	L	-	L	-	-	H
CLO-2 :	Acquire a strong knowledge on nature of insurgency in India	2	80	70	M	-	M	L	L	-	-	M	M	L	-	M	L	-	-
CLO-3 :	Obtain knowledge on the threats involving cyber space	2	70	65	M	-	M	-	L	-	-	H	M	L	-	L	-	L	-
CLO-4 :	Gain clear understanding of the role of security forces	2	70	70	H	-	L	-	L	-	-	H	M	L	-	L	-	-	-
CLO-5 :	Attain strong understanding on mechanics of Internal Security	2	80	70	H	L	H	M	L	-	L	L	L	L	L	M	-	-	-

Duration (hour)	15	15	15	15	15
S-1	SLO Internal Security of India, Definition and Attributes of internal security	Naxalism- Introduction and evolution	Terrorism- Definition, History, Nature and Tactics	Central Armed Police Forces Assam Rifles, Border Security Forces	Role of External state and non-state actors in creating
S-2	SLO Major Reasons, sources and causes of internal security Disturbance	Causes of the rise of naxalism. Initiative by Individual state and reason for its survival	Causes, Types and Levels of Terrorism	Central industrial security forces and Central armed police forces, Cobra Bn	challenges to internal security
S-3	SLO Traditional internal security Challenges,	strategy of the Naxals, recruitment process of the Naxals, Naxal training and structure,	Terrorism in India, Jammu and Kashmir, various terrorism group india	Indo Tibet border police force and sastra sema bal	Threat from china, China role in north east region and
S-4	SLO Factors responsible for internal security problems, communal tension, unequal growth, unstable neighborhood, corruption, prolonged judicial process, caste issue,	Urban naxalism, Govt of india approach, Left Wing Extermism, Andhra Pradesh Model	Anti-Terror laws in india, Anti-Hijacking Act, 2016, Positive Aspects of the Act,	Indian Coast Guard and National Security Guard	Threats from Pakistan, threats from external non-state actor, terrorist organizations
S-5	SLO Indian defence and their Security policy, interests, objective and present policy, Internal policy Doctrine	Insurgence in North East- Introduction,	Areas of improvement and Prevention of terrorism act, 2002, removal of Article 370 in J&K.	Home Guard and Railway Protection Forces	Drug cartels, human trafficking cartels
S-6	SLO Elements of internal Security Doctrine, political situation, socio-economic, consideration, intelligence, BAM, CSM	, historical background, issues and conflits	Government's response to J&K terrorism,	Central Intelligence and Investigating Agencies National Investigation Agency	fake currency rackets, Cross border ethnic groups,

S-7	SLO	Cyber Security-Introduction, basic,	State wise insurgency group	Counter Terrorism response from government,	Research And Analysis wing	illegal immigrants, Pirates
S-8	SLO	Definition, type of attack, cyber terrorism	factor responsible for insurgency in the northeast,	Counter Insurgency – Steps Being taken – RR and IA Op Sadbawna	Central Bureau of Investigation,	Costal Security- introduction, threat, coastal security Scheme and system, inadequacies in coastal security architecture, c
S-9	SLO	Cyber warfare Type of cyber warfare,	State wise insurgency in NER, Nagaland and Manipur	Development of Jammu and Kashmir, Ladakh region.	Intelligence Bureau,	Costal security -steps to improve, inter-agency cooperation, technological strengthen,
S-10	SLO	challenges to india cyber security	Mizoram and Tripura, Meghalaya	Jammu and Kashmir and Pakistan – Decoupled,	Enforcement Directorate,	NCCC and IN, fisherman and Maritime training to state police.
S-11	SLO	Cyber war by Pakistan and China	Arunachal Pradesh and Assam	After abolish article 370 and Peach and development activity J&K	General of income Tax investigation	Border Management and Security Challenges, introduction and Indian border issue.
S-12	SLO	Information technology act, 2000, CAT,	Government's response to northeast extremism,	Pakistan occupied Kashmir and their Terrorist organization details	National Technical Research Organization	IB- Indo-pak, Indo-China, indo-nepal, indo-myanmar, indo-Bangladesh,
S-13	SLO	CERT-In, NIB, NCMC and NIIPC	counter insurgency response from government,	Study of political and physical J&K state	Crime and Criminal Tracking Network System	Border area people facing a problem and BADP
S-14	SLO	Challenges and Concerns of Cyber Security,	Counter Insurgency – Steps Being taken – AR & IA	Tourism opportunity and employment area	NATGRID and Criticism	Money Laundering, terrorism funding, methods, and their adverse effects
S-15	SLO	National Cyber Security policy and National Cyber Security Agency.	Development of Northeast Region	Build up to present situation	National Fingerprints Database	Need for combating money laundering, financial task forces and Extent of problem of money laundering in india.

Learning Resources	1. Ashok Kumar and Vipul Anekan, Challenges to Internal Security of India, TATA-Mcgraw Hill, July 2021 2. Pavneet Singh, Internal Security, TATA-Mcgraw Hill, October 2021.	3. Lohit Matani, Internal Security : Concepts, dynamics and Challenges, Oakbridge Publishers, January 2021.
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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	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Understand										
Level 2	Apply	15%	15%	15%	15%	15%	15%	15%	15%	30%	-
	Analyze										
Level 3	Evaluate	20%	20%	20%	20%	20%	20%	20%	20%	40%	-
	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
1. Mr. Vetrivel, Ariista Security Solutions, Chennai	1. Dr. V.P. Nedunchezhiyan, Associate Professor and Head, Department of Defence & Strategic Studies, Guru Nanak College(Autonomous), Chennai	1. Dr. D. Surendran, Assistant Professor and Head, Department of Defence and Strategic Studies, FSH, SRMIST
2. Dr. Ramakrishnan, School of Design Thinking, Chennai	2. Mr. S. R. Niranjana, Assistant Professor and Head, Dr.MGR Educational and Research Institute, Madhavayal, Chennai.	2. Mr. J. Beno Jones, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST
	3. Dr. Bhaskaran, Professor, Department of Geography, University of Madras, Guindy Campus, Chennai.	3. Dr. Mohammad Yusuf, Assistant Professor, Department of Defence and Strategic Studies, FSH, SRMIST

Course Code	USS23P06L	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	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Defence and Strategic Studies	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 understand the basics of defence studies				1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	To know about the complexities involved in the international environment				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 explore risk associated with the national security																					
CLR-4 :	To learn about different natural resources																					
CLR-5 :	To know about different techniques related to diplomacy																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:			3	80	70	H	H	M	H	L	M	-	H	-	H	-	H	M	-	H
CLO-1 :	To conceptualize a novel idea or a concept				3	80	75	M	H	M	H	-	M	L	H	L	H	L	H	M	-	H
CLO-2 :	To think in terms of multi-disciplinary environment				3	85	70	M	H	M	H	-	M	-	H	-	H	-	H	M	M	H
CLO-3 :	To understand the management techniques of implementing a tough decisions				3	85	80	M	H	M	H	-	M	-	H	-	H	-	H	M	-	H
CLO-4 :	To understand how resources play a role in country's development				3	85	75	M	H	M	H	-	M	-	H	-	H	-	H	M	-	H
CLO-5 :	To gain an awareness how to conduct in both professional and diplomatic manner				3	85	75	M	H	M	H	-	M	-	H	-	H	-	H	M	-	H

Students can choose any issues or problems of their own interest to conceptualize their own solutions. There will be two reviews 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

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

The logo of SRM Institute of Science and Technology is a circular emblem. It features a tree in the center, with the text "SRM INSTITUTE OF SCIENCE AND TECHNOLOGY" around the top and "LEARN · LEAP · LEAD" on a banner at the bottom. The entire logo is rendered in a light blue and yellow color scheme.

COURSES FOR EARNING ADDITIONAL CREDITS

SEMESTER – II

Course Code	UCD23P01L	Course Name	Internship Report– I	Course Category	IAPC	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	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Application of classroom knowledge in practical settings.
CLR-2 :	Hands-on experience in defence studies.
CLR-3 :	Exposure to the defence industry's work environment.
CLR-4 :	Building professional networks.
CLR-5 :	Developing problem-solving skills.

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

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 Competence	Ethical Reasoning	Community Engagement	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

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:			
CLO-1 :	Applying theoretical concepts to real defence situations.	3	80	70
CLO-2 :	Acquiring practical skills relevant to defence studies.	3	85	75
CLO-3 :	Cultivating professionalism and adaptability.	3	75	70
CLO-4 :	Establishing connections within the defence industry.	3	85	80
CLO-5 :	Enhancing decision-making abilities in defence-related contexts	3	85	75

Students can choose an Industry/Organization/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	Viva-Voce
	20%	30 %	30 %	20 %

Course Code	UCD23P02L	Course Name	Project Work – I	Course Category	IAPC	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	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):		The purpose of learning this course is to,			Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Establish a fundamental understanding of defense studies.				Level of Thinking (Bloom)	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Gain insight into the intricacies of the international landscape.																					
CLR-3 :	Investigate the risks associated with national security.																					
CLR-4 :	Acquire knowledge about various natural resources.																					
CLR-5 :	Familiarize oneself with various diplomatic techniques.																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																				
CLO-1 :	To develop the ability to formulate innovative ideas and concepts.				3	80	70	L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
CLO-2 :	To think within a multidisciplinary framework.				3	85	75	M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
CLO-3 :	To grasp the management techniques required for the implementation of challenging decisions.				3	75	70	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-4 :	To comprehend the role of resources in a nation's development.				3	85	80	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-5 :	To cultivate an awareness of conducting oneself in a professional and diplomatic manner.				3	85	75	H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose problems of their own interest to conceptualize their own solutions. There will be two reviews 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	UCD23P03L	Course Name	Apprenticeship – I	Course Category	IAPC	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	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Demonstrate skills learnt in the real time environment.
CLR-2 :	Explore the different Industries/Organizations/Companies that are related to defence
CLR-3 :	Enhance the skills in the defence 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 (Bloom)	Expected Proficiency (%)	Expected Attainment (%)

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 Competence	Ethical Reasoning	Community Engagement	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

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

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	Viva-Voce
	20%	30 %	30 %	20 %

SEMESTER – IV

Course Code	UCD23P04L	Course Name	Internship Report– II	Course Category	IAPC	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	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):		The purpose of learning this course is to,			Learning			Program Learning Outcomes (PLO)														
CLR-1 :	Application of classroom knowledge in practical settings.				Level of Thinking (Bloom)	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Hands-on experience in defence studies.																					
CLR-3 :	Exposure to the defence industry's work environment.																					
CLR-4 :	Building professional networks.																					
CLR-5 :	Developing problem-solving skills.																					
Course Learning Outcomes (CLO):		At the end of this course, learners will be able to:																				
CLO-1 :	Applying theoretical concepts to real defence situations.				3	80	70	L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
CLO-2 :	Acquiring practical skills relevant to defence studies.				3	85	75	M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
CLO-3 :	Cultivating professionalism and adaptability.				3	75	70	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-4 :	Establishing connections within the defence industry.				3	85	80	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-5 :	Enhancing decision-making abilities in defence-related contexts				3	85	75	H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose a Industry/Organization/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	Viva-Voce
	20%	30 %	30 %	20 %

Course Code	UCD23P05L	Course Name	Project Work – II	Course Category	IAPC	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	Defence and Strategic Studies	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)
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CLR-1 :	Establish a fundamental understanding of defense studies.	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2 :	Gain insight into the intricacies of the international landscape.																		
CLR-3 :	Investigate the risks associated with national security.																		
CLR-4 :	Acquire knowledge about various natural resources.																		
CLR-5 :	Familiarize oneself with various diplomatic techniques.																		
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	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural Competence	Ethical Reasoning	Community Engagement	ICT Skills	Leadership Skills	Life Long Learning
CLO-1 :	To develop the ability to formulate innovative ideas and concepts.	3	80	70	L	H	M	H	L	M	L	L	L	L	L	H	M	L	L
CLO-2 :	To think within a multidisciplinary framework.	3	85	75	M	H	H	M	L	M	L	L	M	L	L	H	M	L	L
CLO-3 :	To grasp the management techniques required for the implementation of challenging decisions.	3	75	70	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-4 :	To comprehend the role of resources in a nation's development.	3	85	80	M	H	M	H	L	M	M	L	M	L	M	H	M	L	L
CLO-5 :	To cultivate an awareness of conducting oneself in a professional and diplomatic manner.	3	85	75	H	H	M	H	L	M	M	M	M	L	M	M	M	L	L

Students can choose problems of their own interest to conceptualize their own solutions. There will be two reviews 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	IAPC	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		Defence and Strategic Studies			Data Book / Codes/Standards		Nil								

Course Learning Rationale (CLR):	The purpose of learning this course is to,	Learning	Program Learning Outcomes (PLO)														
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CLR-1 :	Demonstrate skills learnt in the real time environment.
CLR-2 :	Explore the different Industries/Organizations/Companies that are related to Defence
CLR-3 :	Enhance the skills in the defence 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 (Bloom)	Expected Proficiency (%)	Expected Attainment (%)

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 Competence	Ethical Reasoning	Community Engagement	ICT Skills	Leadership Skills	Life Long Learning

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

Students can choose an Industry/Organization/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 *apprenticeship* period, every student shall submit a structured *apprenticeship* report within 15 days from the date of the completion of the *apprenticeship* period.

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