FACULTY OF LAW

ACADEMIC CURRICULA

POSTGRADUATE DEGREE PROGRAMME

Legum Magister (Cyber Law and Security)

(LLM)

TWO Years

Learning Outcome Based Education

Choice Based Flexible Credit System

Academic Year

2024 - 2025



FACULTY OF LAW SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

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

Kattankulathur, Chengalpattu District 603203, Tamil Nadu, India





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1. Vision	1. Vision Statement							
Stmt - 1	To attain a globally recognized position in the field of legal education, practice and research							
Stmt - 2	To create a unique learning experience in legal education that are of international standards							
Stmt - 3	<i>To</i>							

2. Missio	2. Mission Statement							
Stmt - 1	tmt - 1 To create, construct, disseminate knowledge and help learners to acquire professional skills and practice in the legal profession							
Stmt - 2	To cultivate a research mindset and conduct research on facts, concepts, principles, theories and laws in legal education and legal practice							
Stmt - 3	To produce law professionals who possess intellectual genius, moral consciousness, honor values, maintain integrity, honesty and social responsibility to ensure Rule of Law in the Constitution of India							
Stmt - 4	To maintain the highest Quality standards in professional knowledge dissemination, research and in behavior							
Stmt - 5	<i>To</i>							

3. Progra	3. Program Education Objectives (PEO)							
PEO - 1	O - 1 To acquire and apply legal knowledge, practice skills to address the socio-legal challenges, constitutional legislative & societal transformation in society							
PEO - 2	To acquire clinical skills in arguing, pleading, drafting, negotiating, conveyancing that are required for an ethical legal professional practice in Courts, Industries and other Corporates							
PEO - 3	To develop legal research skills and legal reasoning, analysis and apply it during the Programme and in legal practice							
PEO - 4	To provide a platform of self-employability and entrepreneurial skills by developing professional skills in legal industry							
PEO - 5	To become skilled in legal research, written and oral communication, teamwork, advocacy, and problem-solving							

4. Consist	4. Consistency of PEO's with Mission of the Department							
	Mission Stmt 1	Mission Stmt 2	Mission Stmt 3	Mission Stmt 4	Mission Stmt 5			
PEO - 1	Н	Н	Н	М	M			
PEO - 2	Н	Н	Н	М	M			
PEO - 3	Н	Н	Н	M	М			
PEO - 4	M	М	M	H	Н			
PEO - 5	M	М	M	Н	Н			

 $H-High\ Correlation,\ M-{\color{red}\underline{Medium\ Correlation}},\ L-Low\ Correlation$

5. Consist	5. Consistency of PEO's with Program Learning Outcomes (PLO)											
				F	rogram l	Learning	Outcom	es (PLO)			
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy	Self-directed Learning	Moral and Ethical Reasoning	Leadership Qualities	Life Long Learning
PEO - 1	Н	H	M	Н	H	H	M	H	M	Н	H	H
PEO - 2	H	M	M	H	H	H	M	H	H	Н	H	H
PEO - 3	M	M	M	Н	H	H	M	M	M	Н	M	H
PEO - 4	Н	М	М	Н	Н	Н	Н	М	М	Н	М	Н
PEO - 5	Н	Н	M	Н	Н	Н	M	M	Н	Н	Н	Н





 $H-High\ Correlation,\ M-Medium\ Correlation,\ L-Low\ Correlation$

Programme Structure(Total Credits: 90 Credits) 1. Professional Core Courses (C) 2. Professional Elective Courses (E) (4 Courses) (11 Courses) Hours/ Week Course Course Hours/ Course Course Week Code Title TP \mathbf{C} Title LTP C Code National Defense, PLCS24304T 2 Telecommunication and 1 5 Law and Justice in the PLCS24101T 3 1 5 Cybersecurity 2 Globalizing World Intellectual Property Rights and PLCS24305T 2 5 Comparative Public Law Cybersecurity 5 PLCS24102T 3 1 2 PLCS24401T 5 Cryptocurrency and Legal issues 3 1 2 Fundamentals of Computer PLCS24103T 3 1 2 5 Science and Cyber security Artificial intelligence and PLCS244402T 1 2 5 Introduction to Cyberspace, PLCS24104T 3 1 2 5 Cyber Law and Security 1 PLCS24201T Judicial Process 3 2 5 1 5 PLCS24202T 3 2 Cybercrimes and Cybersecurity PLCS24203T Constitutional and Legal aspects 3 1 2 5 of Cyberspace and Internet PLCS24204T International and National 3 1 2 5 Perspective of Cyber Law PLCS24301T Legal Research Methodology 3 1 2 5 PLCS24302T Cyber Forensics and Evidential 1 3 2 5 **Total Learning Credits** 20 Issues PLCS24303T Procedural Issues of Cyber Law 3 1 2 5 55 **Total Learning Credits** 4. Clinical Courses(L) (6 Courses) Course Hours/ Week Course T \mathbf{C} Code PLCS24306P 0 Mini Project 1 4 3 PLCS24403P 0 2 Dissertation 20 12 15 **Total Learning Credits**





	SEMESTER - I									
Code	Course Title		Hou	rs/ V	Veek	С				
Code	Course Title		L	T	P	U				
PLCS24101T	Law and Justice in the Globalising World		3	1	2	5				
PLCS24102T	Comparative Public Law		3	1	2	5				
PLCS24103T	Fundamentals of Computer Science and Cyber security		3	1	2	5				
PLCS24104T	Introduction to Cyberspace, Cyber Law and Security		3	1	2	5				
		Total Learn	ing (Cred	lits	20				
	SEMESTER - II									
Code	Course Title					С				
PLCS24201T	Judicial Process		3	1	P 2	5				
PLCS24202T	Cybercrimes and Cybersecurity					5				
PLCS24203T	Constitutional and Legal aspects of Cyberspace and Internet					5				
PLCS24204T	International and National Perspective of Cyber Law		3	1	2	5				
Total Learning Credits 20										
SEMESTER - III										
Code	Course Title		Hou L	rs/ V T	Veek P	С				
PLCS24301T	Legal Research Methodology	15	3	1	2	5				
PLCS24302T	Cyber Forensics and Evidential Issues	-	3	1	2	5				
PLCS24303T	Procedural Issues of Cyber Law	7	3	1	2	5				
PLCS24304T	National Defense, Telecommunication and Cybersecurity	> 1	3	1	2	5				
PLCS24305T	Intellectual Property Rights and Cybersecurity		3	1	2	5				
PLCS24306P	Mini Project		0	1	4	3				
		Total Learn	ing (Cred	lits	28				
	SEMESTER - IV									
	Course Title		Hou	rs/ V	Veek P	С				
Code	1		L	ı	-	_				
Code PLCS24401T	Cryptocurrency and Legal issues		3	1	2	5				
	Cryptocurrency and Legal issues Artificial intelligence and Cybersecurity		3	1	2	5				

Total No. Learning Credits: 90





2. Program	2. Program Articulation Matrix												
				Pro	ograi	nme	Lea	rnin	g Ou	tcon	nes		
Course Code	Course Name	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy	Self-directed Learning	Moral and Ethical Reasoning	Leadership Qualities	Life Long Leaming
PLCS24101T	Law and Justice in the Globalizing World	3	2	2	3	2	3	-	2	2	3	3	1
PLCS24102T	Comparative Public Law	3	2	2	3	2	3	1	2	2	2	3	1
PLCS24103T	Fundamentals of Computer Science and Cybersecurity	3	2	1	2	2	3	1	2	2	2	3	2
PLCS24104T	Introduction to Cyberspace, Cyber Law and Security	3	3	1	2	2	3	-	2	2	2	3	1
PLCS24201T	Judicial Process	3	2	2	3	2	3	1-	2	2	2	3	2
PLCS24202T	Cybercrimes and Cybersecurity	3	3	2	2	2	3	1	2	2	3	3	2
PLCS24203T	Constitutional and Legal aspects of Cyberspace and Internet	3	2	3	3	2	3	-	2	2	3	3	2
PLCS24204T	International and National Perspective of Cyber Law	3	3	3	3	2	3	1	2	2	2	3	3
PLCS234301T	Legal Research Methodology	3	2	2	3	2	3	-	2	2		3	2
PLCS24302T	Cyber Forensics and Evidential Issues	3	2	2	3	2	3	-	2	2	2	3	1
PLCS24303T	Procedural Issues of Cyber Law	3	2	2	3	2	3	1	2	2	3	3	1
PLCS24304T	National Defense, Telecommunication and Cybersecurity	3	2	2	3	2	3	1	2	3	3	2	-
PLCS24305T	Intellectual Property Rights and Cybersecurity	3	2	2	3	2	3	1	2	3	2	2	-
PLCS24306P	Mini Project	-	1	2	-	3	1	-	3	3	3	2	-
PLCS24401T	Cryptocurrency and Legal issues	3	2	2	3	2	3	-	2	2	3	3	1
PLCS24402T	Artificial intelligence and Cybersecurity	3	2	2	3	2	3	1	2	2	3	3	-
PLCS24403P	Dissertation	-	2	2	-	3	1	1	3	3	3	2	2

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





Code	PLCS2	24101T	Title		LAW AND JUS	GLOBAI	ISING WORLD)		Category		Professional Core	L 3		P C 2 5	
					Co-req Cour		Nill		Progressive Courses	Nill		Data Book / Codes/Standards				
Title & Content				GLOBAL	IZATION AND FREE MARKET	[(PT OF JUSTICE LISING WORLI			ATION AND AL IMPACT		GLOBALIZATION RESOL		ONFL	ICT
Duration (hour)	18				18			18		•	18		18	3		
SLO-1	means. And An outline of globalization's history The forces behind globalization Explore about the scope and significance of globalization			the in and in arket in or ar re	ntricacies n a won nfluence n creatir nd how ju esponse	the difficulties of attaining just of attaining just of universal varing ideas of just of justice is changir to globalization.	stice the alues stice, ng in	Comprehend globalization a on culture.	n <mark>d its infl</mark> uer	nce (
SLO-2	Examine how globalization has affected culture. Identity and globalization Inequalities in society within a globalized world Case studies illustrating globalization's effects on society Extrapolate the fundamental principles and characteristics of free market economics Analyze the impact of globalization on the expansion of free market ideologies			free be the ar the co		cultural relativ versalism in	vism the	Examine the te cultural homo cultural dive globalizing work	genizatio <mark>n a</mark> ersity <mark>in</mark>	<mark>ind</mark> (d of international conflicts in a globalized					
SLO-3	mechanid worldwidd governm sovereigi globaliza	nce framewo cs of powe e society Sub ent versus nty Case st tion's politica	er in a conational national udies of leffects.	preserving o	ossible approaches or modifying the wel onse to globalization.	Ifare fa . so fra an w	airness, olidarity ramework nd the di vith imple	within of global jus fficulties associ ementing princi across internati	and the stice, iated iples	Gain a understanding globalization heritage places behaviors.	on cultu	of i ral i	Explore the role negotiations, mediat in resolving disputes	ion, and		omatic tration
SLO-4		nt (FDI) onal corp			ng of different meth velfare state ,free ma	hods de arket pr ec	l <mark>epth</mark> rinciples	l its evolution in	on and	Tutorial: international principles in pre	laws a	nd g	Tutorial: Examine th governing , explo agreements, and leg	ring ke	y tre	





SLO-5	Practice: Analyze case studies in different countries post globalization	Practice: Examine methods to address legal issues in free market	Practice: Examine the methods of handling crisis in global justice	Practice: Evaluate the cases in which globalization deteriorated culture and revitalization measures	Practice: Analyze strategies for addressing grievances, promoting reconciliation, and building inclusive societies
SLO-6	Practice: Engage in discussion on landmark cases illustrating the interpretation and application of laws in globalized world order	Practice: Explore special provisions related to international trade laws and other legislations to secure a global welfare state	Practice: Explore the various methods to in which universal principles influenced laws in nations	Practice: case studies on cultural appropriation and its impact on cultural heritage preservation	Practice: Examine and compare different strategies for promoting media literacy and constructive dialogue to support conflict resolution efforts
SLO-7	elucidate the meaning and application of international law. Transnational legal framework examples Opportunities and challenges associated with global law	Examine the utilization and administration of natural resources in a worldwide economy.	Gain an understanding of The ethical responsibilities of individuals and societies within a cosmopolitan perspective, as well as the conflicts that arise between cosmopolitan principles and national interests.	Examine the influence of Western hegemony in the global media on cultural diversity.	Examine the legal frameworks governing international taxation, focusing on bilateral and multilateral agreements that shape cross-border taxation policies.
SLO-8	Discuss the idea of state sovereignty, Globalization and sovereignty: issues for national security in a globalized world	Examine the socioeconomic consequences of relocation resulting from development projects.,the ethical factors associated with the displacement of people for the purpose of development. and alternate strategies for development that give priority to social justice and human rights.	examine impact of globalization on the judicial process and legal systems and challenges of regulating transnational activities and enforcing global justice	Examine the impact of migration and transnationalism on cultural identities and behaviors.	Explore the role of media in exacerbating and mitigate conflicts through framing, propaganda, and peace journalism
SLO-9	Analyze the notions of Federalism and Globalization and globalization Globalization's effects on democratic processes	Evaluate potential policy interventions to reduce economic inequality and promote social cohesion	Gain an understanding on diverse perspectives and arguments on issues such as economic inequality, human rights abuses, and environmental degradation	Analyze How globalization affects indigenous peoples' rights, languages, and cultural practices	Analyze the contributions of organizations such as the United Nations, NATO, and regional bodies to global peacekeeping efforts
SLO-10	Tutorial: Conduct in-depth discussions on fundamental principles of transnational laws and their applications.	Tutorial: discuss the social welfare laws intended to prevent social and economic disparity caused by globalization	Tutorial: Discuss the international judicial process	Tutorial – Discuss the power dynamics involved in cultural resistance and negotiation in a globalized world	Tutorial –Discuss the role of peacekeeping missions and interventions in resolving international conflicts





SLO-11	Practice: Conduct a workshop on essential concepts and provisions related to transnational laws and its binding effects	Practice: explore the ways in which globalization and free market policies contribute to economic inequality.	Practice: Explore the ways in which one nations act can impact another nation and the recourse available	Practice: Analyze case studies to assess the impact of globalization in indigenous community	Practice: Analyze double taxation scenarios, applying the principles of Double Taxation Avoidance Agreements (DTAA) to resolve issues and ensure fair tax treatment.		
SLO-12	Practice: Explain and discuss essential laws that serves as foundation for globalization	Practice: Analyze case studies involving loss of livelihood due to development and alternate measures taken.	Practice:Explore case studies on cross-border legal disputes and their implications for the administration of justice	Practice: Engage in developing various legal approaches to preserve indigenous culture and traditional knowledge and practices.	Practice: case studies illustrating successful and unsuccessful peacekeeping efforts		
SLO-13	Explain international trade law frameworks Discuss dispute resolution mechanisms in trade law Analyze the impact of globalization on trade liberalization	Examine the rise of consumer culture in a globalized society and analyze the influence of consumerism on individual conduct and societal principles.	Acquire knowledge related to the role of international human rights law and institutions in promoting global justice	Comprehend the strategies for promoting gender equality and cultural diversity in a globalized society	d multilateralism in addressing global		
SLO-14	Analyze the impact of legislative changes on individuals and businesses.	Examine the influence of free market principles on cultural trends and practices, emphasize the significance of safeguarding cultural diversity in an interconnected society, and explore methods for fostering cultural plurality and facilitating intercultural interaction.	Gain an understanding of The concept of environmental justice within the framework of globalization.	Comprehend the challenges of cultural governance in balancing economic, social, and cultural priorities	Analyze how climate change exacerbates existing conflicts and contributes to new security challenges		
SLO-15	comprehend the main ideas that have been discussed thus far. Talk about recent occurrences pertaining to globalization. Examine how globalization has affected current concerns.	Comprehend role of civil society and grassroots movements in advocating for global regulation Elucidate the tensions between national sovereignty and global governance in a free market economy.	Comprehend the The obstacles encountered by women and individuals who identify as gender minorities in obtaining legal recourse on a global scale.	examine the concept of soft power and its influence on global cultural dynamics	Examine the impact of technology on conflict dynamics, including cyber warfare, surveillance, and information warfare		
SLO-16	Tutorial: Provide an overview of international legislation in the era of globalization	Tutorial: Explain case scenarios and simulate issues related to tensions between sovereigns and diplomatic ideals	Tutorial: Analyze case scenarios involving global justice .	Tutorial: Gain an understanding of the practical insights into the ethical considerations and challenges of cultural diplomacy in a globalized world	Tutorial: Analyze contemporary challenges in international regulations through real-world case studies, exploring solutions and best practices.		





SLO-17			Practice: Engage in debates	Practice: emerging trends and	Practice: Identify the importance of
	participants' ability to navigate	identify legal solutions for conflicts	and critical discussions on	debates in the field of cultural	sustained engagement and advocacy
	complexities in determining	between sovereigns	controversial global justice	globalization	for promoting global peace and
	cases involving multiple		topics		security
	sovereigns				-
SLO-18	Practice: Enhance	Practice: Assign and analyze case	Practice: Examine penalties	Practice: Analyze case studies	Practice: Engage in discussion on
	participants' critical thinking	studies involving problems that	and offenses of states that	presenting real-world best	scenario analysis, and presentations
	and problem-solving skills in	require multinational intervention	impacts another	practices and innovative	on future trends in global conflicts
	addressing complex	71.		approac <mark>hes to cultural-legal</mark>	
	transnational issues	17,		policy and management	
	•		The same of the sa		

Re	esources		
1	Andrew Kuper, Democracy Beyond Borders: Justice and Representations in Global Institutions (OUP, 2006).	2	David B. Goldman, Globalization and the Western Legal Tradition: Recurring Patterns of Law and Authority (Cambridge University Press, 2008).
3	Anthony McGrew, David Held (eds), Governing Globalization: Power, Authority and Global Governance (Polity Press, 2002).	4	World Commission on Social Dimension of Globalization, A Fair Globalization: Creating Opportunities for All (2004).
5	Simon Coney, Justice Beyond Borders: A Global Political Theory (Oxford University Press, 2005).		2





Rationale (CLR) The purpose of learning this course is to:		De	epth		At	ainn	nent		F	Prog	ram	Lea	rning	g Ou	tcon	nes	(PLC)	
CLR-1 Acquire a foundational understanding of laws in the era of globalization including background of transnational law applicability of set legal principle across sovereigns	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2 Equip participants with advanced knowledge and practical skills in dealing with legal issues across borders																	ing		
CLR-3 Provide participants with a comprehensive understanding of distributive justice and international judicial process						(%) x:	ıt (%)	dge			g	kills	S/I	Work		ng	Ethical Reasonin	S	
CLR-4 Equip participants with comprehensive knowledge and practical proficiency in Preservation of Cultural Heritage in a Globalized Environment	1	١	,		king	Proficiency	Attainment	nowle	ing	ing	asonin	ated S	on Ski	Team	۶,	Learni	ical R	Qualities	.earning
CLR-5 Equip participants with advanced proficiency in Global Diplomacy and Multilateral Approaches to Conflict Resolution	(e)		Implement	te	of Thinking	ted Pro	Expected Atta	Disciplinary K	al Think	Problem Solving	fical Re	Research-related Skills	nunicati	Cooperation/Team Work	l Literac	Self-directed Learning	and Etl	eadership C	Life Long Lea
Outcomes (CLO) At the end of this course, Students will be able to:	Concei	Design	nple	Operate	evel	xbec	хрес	iscip	ritica	roble	naly	ese	omn	doo	igita	elf-a	Moral	eade	ife L
		۵	2	0	1	Ш	Ш	0	S	٩	⋖	8	S	S	Ω	S	≥		
CLO-1 Develop a profound understanding of the fundamentals of law in the globalized world, including the origins of transnational law and the applicability of a given legal theory		П		_	2	85	75	3	_	_	,	_	3	_	2	2	,	2	3
across sovereigns.						1									_	-		_	
CLO-2 Master complex issues involving jurisdictional questions on critical areas such as environmental impacts and natural resources across border			0	1	2	85	75	3	2	1	2	2	3	-	1	2	1	2	3
CLO-3 Analyze transnational issues involving global distributive justice and acquire remedies via international judicial process				1	3	85	75	3	1	3	1	3	3	-	1	1	2	1	3
CLO-4 Acquire comprehensive legal knowledge in Preservation of Cultural Heritage, cultural identity and language in a Globalized Environment					3	85	75	3	3	2	3	3	3	-	2	3	3	3	3
CLO-5 Apply international principles in Multilateral Approaches to Conflict Resolution					3	85	75	3	3	2	3	3	3	-	3	3	3	3	3

			Co	ntinuous Learning Ass	essment (CLA 40% W	/eightage)			Fin	nal .
Level of Thinking	Model (20			ar/Group discussion/ ntation	Participation in sen Public		Participation in curricular & Para	class room/co- curricular activities	Exa	
•	(20	%)	(10	1%)	(5%	%)	(5'	%)	(60)	%)
1 Remember 2 Understand	40%	-	40%	-	30%			-	40%	-
3 Apply 4 Analyze	40%	-	40%	-	40%			-	40%	-
5 Evaluate	20%	_	20%		30%			_	20%	
6 Create Total	20 //	0/.		0%	100	- 0/_	100	-) %	100	- 0/-





Strategies	Strategies										
Simulations		Clarification/Pauses		Quality Education							
Presentation Tools				Good health and well- being							
Learning Management System		Group Discussion		Reduced Inequalities							
		Group task									
		Debate									
		Interactive Lecture									
		Case studies									

	Designers										
Professional Experts			her Institution Experts	Int	ernal Experts						
	1 Dr. Manoj Mate, Associate Professor of Law, DePaul University College of Law	1	Dr. Ayan Hazra, Assistant Professor, HNLU	1	Prof. (Dr.)Sree Sudha, Dean , School of Law, SRM IST						
	2	2		2							





 Code
 PLCS24102T
 Title
 COMPARATIVE PUBLIC LAW
 Category
 Professional Core
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 Course Offering Department
 School of Law
 Pre-requisite Courses
 Co-requisite Courses
 Progressive Courses
 Data Book / Codes/Standards

Title & Content	COMPARATIVE CONSTITUTIONAL LAW	CONSTITUTIONAL FOUNDATIONS OF POWERS	SOVEREIGNTY: THEORY OF CONSTITUTIONAL STATE	CONSTITUTIONAL REVIEW	EMERGING TRENDS IN COMPARATIVE PUBLIC LAW
Duration (hour)	18	18	18	18	18
SLO-1	Analyze the role of constitutions as supreme laws in various legal system	Examine the significance of constitutional foundations in shaping governmental powers	Analyze sovereignty and its importance in political theory	Comprehe <mark>nd the</mark> Definition and significance of constitutional review	introduction to emerging topics in the field
SLO-2	Examine Historical development of constitutionalism	Extrapolate the powers and functions of the legislature in lawmaking	Examine role of the sovereign in safeguarding individual rights and freedoms	Examine different methods such as judicial, political, and concentrated review	Analysis of challenges to constitutionalism globally
SLO-3	Examine the principles underlying constitutional design, such as separation of powers, checks and balances, and rule of law.	Analyze the significance of the rule of law in ensuring government accountability and protecting individual rights	Analyze The principles of legislative supremacy and the rule of law within the constitutional state framework	Gain a comprehensive understanding of the i role of courts in interpreting and applying constitutional provisions	Explore the threats to the rule of law and democratic institutions
SLO-4	Tutorial:Comparative analysis of constitution in various nations	Tutorial: Discuss comprehensive understanding of different methods to ensure constitutional supremacy	Tutorial: Engage in an indepth discussion on principles of constitutional principles and equity and its evolution in the modern times	Tutorial: Analyze the iImportance of constitutional review in upholding the rule of law	Tutorial: Discussion on the relevance and implications of studying emerging topics
SLO-5	Practice: Analyze case studies in different countries related to constitutional cases	Practice: Examine methods to address legal issues in constitution	Practice: Examine the methods of handling constitutional crisis	Practice: Evaluate the cases in which constitutional review aided in preservation of constitution	Practice: Discussion on issues such as digital rights, privacy, and surveillance
SLO-6	Practice: Engage in discussion on landmark cases illustrating the interpretation and application of constitutional provisions in different nations	Practice: Explore special provisions related to rule of law and separation of power	Practice: Explore the various methods to in which universal principles influenced constitutional laws in nations	Practice: case studies on landmark constitutional reviews	Practice: Examine and compare different methods to handle violation of constitutional rights by one sovereign's subjects by another





SLO-7	elucidate the role of comparative constitutional law in promoting constitutionalism, democracy, and human rights globally	Modern interpretations and extensions of the rule of law concept	Compare and contrast the constitutional state with the social state	Examine the influence of Western philosophies in the constitutional review mechanism	Examine environmental rights and justice in constitutional contexts
SLO-8	Discuss the challenges and limitations of comparative constitutional	Examine the the inclusion of social and economic rights within the rule of law framework	examine theories of natural rights, social contract, and human dignity in grounding constitutional rights	Examine the political dynamics and implications of political review processes	Analysis of post-conflict constitution-building processes
SLO-9	Analyze how constitutional design influences the distribution of power and decision-making processes	Evaluate the role of independent institutions, such as constitutional courts and auditing bodies, in maintaining checks and balances	Gain an understanding on the impact of globalization, neoliberalism, and welfare states on constitutional rights	Analyze concentrated review, focusing on specialized constitutional review bodies or courts	Analyze the contributions of organizations such as the United Nations, NATO, and regional bodies in preserving constitutions of countries
SLO-10	Tutorial: Conduct in-depth discussions on approaches to protecting fundamental rights in different constitutional systems	Tutorial: discuss the social welfare laws intended to enhance the principles of constitution	Tutorial: Discuss the constitutional rights litigation and social reform movements	Tutorial – Discuss the power dynamics involved in political review	Tutorial –Discuss the role of peacekeeping missions and interventions in preventing failure of constitution
SLO-11	Practice: Conduct a workshop on essential concepts and provisions related to universal constitutional provisions and its binding effects	Practice: case studies on the effectiveness of checks and balances in preventing governmental abuse of power	Practice: Explore the ways in which one nations act can impact another nation and the recourse available	Practice: Analyze case studies involving political review of constitution	Practice: Analyze regulatory responses to technological advancements
SLO-12	Practice: case studies on significant constitutional amendments and their implications	Practice: case studies on the enforcement of social and economic rights in different legal systems	Practice:Explore case studies on legislative reforms and constitutional amendments	Practice: Engage in developing various legal approaches to preserve constitution and its ideals	Practice:enumerate potential threats technology pose to constitutional values
SLO-13	Compare approaches to federalism and decentralization in different constitutional systems	Examine the rise of tyrannic governments and how constitutional provisions battling it	Acquire knowledge related to application of constitutional rights in addressing social and economic inequalities	Comprehend diffused review mechanisms, such as interbranch checks and balances	Analyze legal responses to climate change at national and international levels





SLO-14	Analyze the powers and limitations of constitutional courts in different legal systems	Examine the mechanisms for legislative oversight, such as committee hearings, inquiries, and budgetary control	Gain an understanding of strategies for defending sovereignty and constitutionalism in the face of challenges	Comprehend the limitations imposed on judicial review, such as justiciability, standing, and political questions	Analyze how climate change exacerbates existing issues and contributes to new constitutional challenges
SLO-15	comprehend the main ideas that have been discussed thus far. Talk about recent occurrences pertaining to globalization. Examine how globalization has affected current concerns.	Comprehend the challenges of ensuring judicial independence in practice, including political interference and corruption	Compare different approaches to sovereignty and constitutionalism in diverse legal systems	examine the methodologies such as textualism, originalism, purposivism, and living constitutionalism	Examine the impact of technology on constitutionalism
SLO-16	Tutorial: Discuss case studies on landmark judicial review decisions and their impact on legal and political developments	Tutorial: Explain case scenarios and simulate issues related to constitutional violations	Tutorial: Analyze case scenarios involving constitutional violations	Tutorial: Gain an understanding of the practical insights into the ethical considerations and challenges in constitutional review	Tutorial: Analyze contemporary challenges to constitutions that are transitioning in to future challenges
SLO-17	Practice: case studies on successful and failed constitutional transitions	Practice: Evaluate case studies to identify legal solutions for deterioration of constitutional values	Practice: Engage in debates and critical discussions on global constitutional values	Practice: landmark judicial review cases from various jurisdictions	Practice: Identify the importance of sustained engagement and advocacy for promoting constitutionalism
SLO-18	Practice: Enhance participants' critical thinking and problem-solving skills in addressing complex constitutional l issues	Practice: Assign and analyze case studies involving problems on on judicial activism, judicial restraint	Practice: Examine future challenges to constitutionalism and values	Practice: Analyze key principles and doctrines developed through case laws	Practice: Engage in discussion on scenario analysis, and presentations on future trends in constitutionalism

]	Res	ources		
	1	D.D. Basu, Comparative Constitutional Law (Wadhwa and Company, 2008).	2	Dr.Subhash C Kashyap, Framing of Indian Constitution (Universal Law, 2004)
Γ.	2	Mahendra P. Singh, Comparative Constitutional Law (Eastern Book Company,	4	Sunil Khilnani, VikramRaghavan, ArunThiruvengadam, Comparative
	3	1989).		Constitutionalism in South Asia (Oxford University Press, 2013).
	5	M.V. Pylee, Constitution of the World (Universal, 2006)		
Ľ				





Rationale (CLR) The purpose of learning this course is to:		De	pth		Att	ainm	ent			Prog	ıram	Lea	arnin	g Oı	utcor	nes	(PL	O)	
CLR-1 Gain a comprehensive understanding of the fundamental principles of constitutional law, including separation of powers, federalism, checks and balances, and individual rights.	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2 Equip students with a comprehensive understanding of constitutional principles and structures governing the distribution of powers within governmental systems, fostering critical analysis and ethical engagement with issues of governance and rights.																			
CLR-3 Elucidate the theory and practice of sovereignty within the framework of constitutional governance, examining its implications for the rule of law, individual rights, and democratic accountability.	1		,			(%)	(%)) Je				SI.		ork		J	asoning		
CLR-4 Equip participants with comprehensive knowledge and practical proficiency in various methods of constitutional reviews and their limitations				,	ng	ciency	nment	owledg	g	gı	soning	ed Skil	n Skills	eam W		earning	cal Rea	alities	ning
CLR-5 Equip participants with advanced knowledge to prognosticate future constitutional challenges	Conceive	ign	Implement	Operate	Level of Thinking	Expected Proficiency	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication	Cooperation/Team Work	Digital Literacy	Self-directed Learning	al and Ethical Reasoning	Leadership Qualities	Life Long Learning
Outcomes (CLO) At the end of this course, Students will be able to:	Cou	Design	lmp	Ope	Lev	Exp	Exp	Disc	Crit	Pro	Ana	Res	Cou	00	Digi	Selt	Moral	Lea	Life
CLO-1 Comprehend the basic tenets of constitutional law, such as individual rights, federalism, checks and balances, and the division of powers.			ţ.	Y	2	85	75	3	-	-	1	-	3	-	2	2	1	2	3
CLO-2 Develop a profound understanding of the structural and constitutional precepts that regulate the allocation of authority within political institutions, encouraging moral and critical thinking on matters of rights and governance.				-	2	85	75	3	2	1	2	2	3	-	1	2	1	2	3
CLO-3 Analyze the concept and application of sovereignty in the context of constitutional governance, considering the effects it has on the rule of law, individual liberties, and democratic responsibility.					3	85	75	3	1	3	1	3	3	2	1	1	2	1	3
CLO-4 Acquire comprehensive legal knowledge on constitutional review, its purpose and methods					3	85	75	3	3	2	3	3	2	1	2	3	3	3	3
CLO-5 Apply constitutional principles and methods to preserve it against future challenges					3	85	75	3	3	2	3	3	3	-	3	3	3	3	3

Assessment Method (Max. Marks: 1	00)		1000							
			Co	ntinuous Learning Ass	sessment (CLA 40% V	Veightage)			Fin	al
Level of Thinking	Model Exam Assignment/ Seminar/Group discussion/ Participation in seminar/Gevel of Thinking (20%) Presentation Publication						class room/co- curricular activities	Exa		
•	(20	1%)	(10	(%)	(5	%)	(5	%)	(60	%)
Remember	40%	_	40%		30%			_	40%	
Understand	40 /0	_	40 /0		30 /0	_		-	4070	
Apply	40%	_	40%		40%				40%	
Analyze	40 %	-	4070	-	40%	-		-	40%	-
Evaluate	20%		20%		30%				20%	
Create	20%	-	20%	-	30%	-		-	20%	-
Total	100) %	100) %	10	0 %	10	0 %	100	%





Technology		Pedagogy / Andragogy		Sustainable Development					
Simulations	0	Clarification/Pauses	0	Quality Education	0				
Presentation Tools									
Learning Management System		Group Discussion	0	Reduced Inequalities	0				
		Group task							
		Debate	0						
		Interactive Lecture	0						
		Case studies	0						
		Company of the state of	- L						
			1/3						
		A Secretary	100						
				A-					

	Designers										
Professional Experts			Hig	her Institution Experts	Internal Experts						
	1	Dr. Madhav Khosla, Visiting Professor, Yale Law School	1	Dr.Aparna Chandra, Assistant Professor, National Law University, Delhi	1	Dr. Sreelatha I,Associate Professor, School of Law, SRMIST					
	2	Dr. Arghya Sengupta, Associate Professor, O.P. Jindal Global University	2	Dr S K Bose, Associate Professor, School of Law, Manav Rachna University	2						





Code	PLCS24103T Title	FUN	NDAMENTALS OF COM	MPUTER	R SCIENCE AND CYI	BER SE	CURITY	Category	ofessional Core	L T P C 3 1 2 5
Course Off Departm	School of Law	Pre-requ Course		Co-req Cour	^ NIII	P	rogressive Courses	Nill	Data Book / Codes/Standards	
Title & Content	COMPARATIVE CONSTITUTIONAL L	.AW	CONSTITUTIONAL FOUNDATIONS OF POW		SOVEREIGNTY: THEOF CONSTITUTIONAL ST		CONSTITUTI	ONAL REVIEW	EMERGING COMPARATIVE	
Duration (hour)	18		18		18			18	18	8
SLO-1	implications of	machine (I Idressing to s such as d	Analyze the Entity-Relati ER) model, relational mode heir interconnections in da design.	el, and Ul tabase in	IDP, and sockets, and the	eir roles nication	cyberspace,	elucidating it chitecture, and for moderi	s intricacies of	omponents and e-commerce, definition, main and security
SLO-2	Students will understand aspects related to ALU, do and control unit, addressin such as liability and compli	ata-path, ng issues	Evaluate relational algebra calculus, and SQL as anguages, understanding syntax, semantics, and app n database operations.	query m their ne lication im	nechanisms used in etworks, understanding	their	discorning their	и we <mark>b techn</mark> ology	s Examine the varion, to e-commerce gevaluate security mitigate these risk	best practices to
SLO-3	Learners will explore considerations in implementation of in pipelining, focusing on recompliance and potentichallenges.	the natruction is egulatory	Assess integrity constraint normalization techi dentifying dependencies eliminating redundancy database schemas.	niques, and in	xamine application rotocols including DNS, OP, FTP, and HTTP, a pspective roles in communication and exchange.	nd their network	Explore commu technologies, evolution, fun	un <mark>ravelin</mark> g thei c <mark>tionaliti</mark> es, and	ir devices security, o	covering endpoint phones, and
SLO-4	Tutorial: Conducting analysis of a hypothetic	al cyber a ng ALU, r	Tu <mark>torial –</mark> Design an ER mo a giv <mark>en data</mark> set, identifying e relation <mark>ships, a</mark> nd attributes.	ndel for Tu entities, ex in th	utorial –Conduct an ana	nentals, sockets,	successful social campaigns, for	<mark>l m</mark> edia marketino cusing on thei in enhancino	if Tutorial — Ic g discussion that ir commerce secun g threats and Discu for securing platforms.	ity and common
SLO-5	analyzing legal cases re	ses and delated to we tellectual e		is real- Ui asizing si ionship		<mark>on in a</mark>		and presentation structure and		s, applying best igate risks and





SLO-6		
SLO-7	hierarchy, including cache, main indexing methods, such as B and frequency bands, and security to social media platform	fic Utilize tools and technologies for ns, cybersecurity, understanding their application in safeguarding digital assets.
SLO-8	Participants will evaluate the legal aspects of I/O interface technologies, particularly interrupt and DMA modes, considering privacy and security regulations. Analyze transactions and concurrency control mechanisms, and timestamptous technologies, particularly interrupt based protocols, to ensure data consistency in multi-user privacy and security regulations. Investigate network security concepts, focusing on authentication mechanisms and their characteristic including their usage patterns a focusion of users and devices.	cs, policies to enhance security
SLO-9	communication, consurrancy, and understanding its role in organizing envitors only including platforms, understanding the	lia Manage security patch deployment eir across digital devices to address set vulnerabilities and ensure system integrity.
SLO-10	Tutorial – Conducting a scenario Tutorial – Conduct an activity to Tutorial – Investigate common Tutorial – Execute the market	fia Tutorial –conduct an activity to ke explore endpoint device and
SLO-11	Practice: Participating in a Judgment writing (dissent) and defend legal positions Practice: Participate in a practical exercise to implement and evaluate indexing techniques like B and B+ trees, aiming to gauge their effectiveness in improving query performance and optimizing data retrieval. Practice: Perform Wi-Fi site surveys to assess signal strength, interference, and coverage area in different environments. Practice: Participate in a practical exercise to implement and evaluate indexing techniques like interference, and coverage area in different environments. Practice: Perform Wi-Fi site surveys to assess signal strength, interference, and coverage area in different environments. Practice: Execute a marketing surveys to assess signal strength, interference, and coverage area in different environments.	Practice: Install, configure, and test security tools to understand their functionality and effectiveness in threat detection and prevention.





SLO-12	Practice: Undertaking a research project on a selected emerging technology and its legal challenges analyze concurrency control mechanisms, simulating scenarios of conflicting transactions and resolving them using locking protocols. Practice: Deploy security tools practice Conduct a privacy audit to assess the privacy and security complexity requirements, settings of a selected social media security threats in a controlled protocols.
SLO-13	Learners will understand the legal considerations associated with deadlock situations, including contractual obligations and liability. Examine digital signatures and deadlock situations, including contractual obligations and liability. Examine digital signatures and designatures and designatur
SLO-14	Students will analyze the legal techniques, as well as switching deployment of firewalls in network social media marketing techniques, as well as switching deployment of firewalls in network strategies, incorporating the downloading and managing third-security architectures, assessing utilization of social media platforms party software, and adopt their role in preventing contractual obligations. Students will analyze the legal techniques, as well as switching deployment of firewalls in network strategies, incorporating the downloading and managing third-utilization of social media platforms party software, and adopt access and unauthorized access and protecting against cyber threats.
SLO-15	Participants will examine the legal Analyze IPv4/IPv6 protocols, dimensions of memory routers, and routing algorithms management and virtual memory, (e.g., distance vector, link state), addressing issues such as data protection, privacy, and contractual obligations. Assess network security Appraise privacy issues related to social media usage, considering security policies to establish challenges and opportunities for including emerging threats and mitigation strategies.
SLO-16	Tutorial: Conducting a simulated thical dilemma scenario where scenarios using packet tracer or students apply ethical guidelines to navigate a situation involving Al in legal practice. Tutorial – Simulate routing the environment where users adjustments to strategy and tactics selected tools to gain familiarity authenticate using passwords, based on insights gathered from implement encryption for data data analysis and audience firewall rules to control network access, followed by a simulated cyber attack scenario to assess the effectiveness of the implemented security measures.





SLO-17					Practice: Deploy security patches
	exercise involving technology				according to a patch management
	contracts	Ethernet, where different protocols	signatures, and verify certificate	viral content using analytics tools	schedule, ensuring timely updates
		and collision detection	authenticity in practical exercises.		to mitigate vulnerabilities.
		mechanisms are illustrated and			
		explained.			
	Practice: Presenting and discussing research on the societal impact of technology from a legal perspective	routing algorithms like distance vector and link state, analyzing	Practice: Test firewall configurations using penetration testing tools to identify and address vulnerabilities in network security defenses.		Practice: Draft and implement a device security policy for an organization or personal use.
Assessment	Continuous Learning Assessment -	1	Continuous Learning Assessm	nent - 2	
	Continuous Learning Assessment -	3			
	1171	A E 370			

Resource	ces		
1	Nina Godbole&SunitBelapure "Cyb <mark>er Secu</mark> rity", Wiley India, 2022 Reprint	2	Bruce Newsome, "A Practical Introduction to Security and Risk Management", 20203.
3	Cyber Laws: Intellectual Property & E-Commerce Security by Kumar K, Dominant Publishers.	4	David L. Cannon, "CISA Certified Information Systems Auditor Study Guide", John Wiley & Sons
5	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.	6	Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by SumitBelapure and Nina God bole, Wiley India Pvt. Ltd. (First Edition, 2011).
7	Security in the Digital Age: Social Media Security Treats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson, 13th November, 2001)	8	Electronic Commerce by Elias M. Awad, Prentice Hall of India Pvt Ltd.
9	Electronic Commerce by Elias M. Awad, Prentice Hall of India Pvt Ltd.	10	Fundamentals of Network Security by E. Maiwald, McGraw Hill.





Ration	ale (CLR) The purpose of learning this course is to:		De	pth	A ⁻	ttair	nment	t	Pro	gran	n Le	arni	ing (Outo	ome	es (F	PLO)
CLR-1	Equip participants with an in-depth comprehension of computer architecture and operating systems, covering various aspects such as machine instructions, A LU functionality, memory hierarchy, process management, CPU scheduling, and file systems. Through this comprehensive understanding, learners will develop proficiency in designing, analyzing, and optimizing computing systems to meet diverse computational requirements efficiently.	1	2	3	4 -	1	2 3		1 2	2 3	4	5	6	7 8	9	1 0	1 1 1 2
CLR-2	Develop a comprehensive understanding of database systems and networking fundamentals, including ER and relational models, SQL, integrity constraints, file organization, indexing techniques, transactions, concurrency control, LAN technologies, flow control, IPv4/IPv6, routers, and routing algorithms, to facilitate adept database management and network administration.									Ī							
CLR-3	Equip students with the ability to analyze TCP/UDP protocols, congestion control mechanisms, application layer protocols, Wi-Fi fundamentals, network security, cryptography basics, digital signatures, certificates, and firewall deployment, fostering a comprehensive understanding of network fundamentals.															βĮ	
CLR-4	Explore the fundamentals of cyberspace, computer and web technology, social media security, and marketing, assessing various social media platforms, monitoring techniques, and privacy challenges to foster a comprehensive understanding of online networks.						(%) + (%)		ge		5	dills	S	Vork	<u>p</u>	asonii	
CLR-5	Empower participants with the expertise to effectively implement robust cybersecurity measures within e-commerce and digital payment ecosystems. By covering threat identification, security best practices, device protection, and policy formulation, learners will develop comprehensive skills essential for ensuring the security and integrity of online transactions.	į			Saidaic	רפאפן סו דוווועוווול	Expected Proficiency (%) Expected Attainment (%)	-	y Knowlec	nkiriy	Reasoning	related Sk	ation Skill	on/leam v	Self-directed Learning	Ethical Re	Leadership Qualities Life Long Learning
		9	2	ment	<u>ال</u>	5	ted I		Tag Tag	E S	g	힏	ini.		ied i	and	rshir I buc
Outcor	nes (CLO) At the end of this course, learners will be able to:	aviagno	Design	Implement	Opera	ם מ	Expec		UISCIP	Proble	Analy	Rese	Somi	2000 1000 1000 1000 1000 1000 1000 1000	Self-d	Moral	eade ife Lo
CLO-1	Acquire a comprehensive understanding of computer architecture and operating systems, encompassing machine instructions, addressing modes, ALU functionality, instruction pipelining, memory hierarchy, I/O interfaces, process management, concurrency, CP scheduling, memory management, virtual memory, and file systems, thus enabling proficiency in designing, analyzing, and optimizing computing systems.		✓				85 75										2 3
CLO-2	Attain a comprehensive proficiency in database systems and networking fundamentals, covering ER and relational models, SQL, integrity constraints, normal forms, file organization, indexing techniques, transactions, concurrency control, layering concepts, LAN technologies, flow and error control techniques, as well as IPv4/IPv6, routers, and routing algorithms, facilitating adeptness in databas management and network administration.	e	~	✓ .	- 2	2 8	85 75	5 .	3 2	? 1	2	2	3	1 1	2	1	2 3
CLO-3	Analyze TCP/UDP protocols, congestion control mechanisms, application layer protocols, Wi-Fi fundamentals, network security, cryptography basics, digital signatures, certificates, and firewall deployment for comprehensive understanding of network fundamentals.	~	✓	< ·		3 8	85 75	5 .	3 1	1 2	1	3	3	1 1	1	2	2 3
CLO-4	Investigate the fundamentals of cyberspace, computer and web technology, social media security, and marketing, scrutinizing various social media platforms, monitoring techniques, and privacy challenges to cultivate a comprehensive understanding of online networks.	✓	V	√ ,		3 8	85 75	5 .	3 3	3 2	3	3	3	- 2	3	3	3 3
CLO-5	Master the implementation of robust cybersecurity measures across e-commerce and digital payment ecosystems, covering threat identification, security best practices, device protection, and effective policy formulation.		✓	✓,		3 8	85 75	5 .	3 3	3 2	3	3	3	- 2	3	3	3 3





			Continuo	ous Learning Asse	ssment (CLA 40	% Weightage)			
Level of Thinking	Model (20		Assignment/ S discussion/ F			n in seminar/ / Publication	ion in class room/co- ar & Para curricular activities	Fin Exa	
	(20	%)	(10	%)	(5	%)	(5%)	(60°	%)
Remember	40%		40%	27	30%	A		40%	
Understand	40%	-	40 %		30%	115	-	40%	
Apply	40%		40%		40%	-		40%	
Analyze	40%	-	40 %	1000	40 %		-	40%	
Evaluate	200/		200/		200/			200/	
Create	20%	-	20%	157 Sec. 25	30%	- N	-	20%	
Total	100	%	100	1 %	10	0 %	 100 %	100	%

Technology			Pedagogy / Andragogy	Sustainable Development
Simulations		✓	Clarification/Pauses	✓ Good Health & Well Being
Presentation Tools				W. Carlotte
Learning Management System	and the same of	√	Group Discussion	✓ Quality Education
		To Min Z	Hands-on Practice	✓
	de		Debate	✓
		1	Interactive Lecture	✓
	- 7		Brainstorming	✓

Designers		
Professional Experts	Higher Institution Experts	Internal Experts
1 <name>, <industry name="">, <email id=""></email></industry></name>	1 <name>, <institution name="">, <email id=""></email></institution></name>	1 <name>, SRMIST, <email id=""></email></name>
2 <name>, <industry name="">, <email id=""></email></industry></name>	2 <name>, <institution name="">, <email id=""></email></institution></name>	2 <name>, SRMIST, <email id=""></email></name>





Code	PLCS24104T Title	INTRODUCTION TO CYBER	SPACE, CYBER LAW AND SECURITY	Category	L T P C 3 1 2 5
Course Off Departm	School of Law		-requisite Nil	Progressive Nil Courses	Data Book / Codes/Standards
Title & Content	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Duration (hour)	18	18	18	18	18
SLO-1	including its definition components (computer an network), and the significance of the internet and online resources.	e, understanding of the meaning n, definition, and various types of e d commerce, emphasizing the lega of nuances involved	Rights (IPR) issues, demonstrating an advanced understanding of the legal intricacies involved.	of diverse regulatory frameworks, critically evaluating international and domestic legal regimes governing cyber activities.	understanding of cyber security, encompassing nuanced interpretations of meaning, advanced basics, and intricate concepts of secure infrastructure.
SLO-2	cyber law, exploring its role scope, and the regulator frameworks governing activities i cyber space.	e, legal aspects of cross-border e y commerce, addressing regulatory n challenges and international trade considerations.	 dissecting intricate copyrighty dynamics in the digital scenario, e examining emerging challenges and proposing sophisticated legal solutions. 	tinternational legal regime, examining key conventions such as the Hague Convention on Jurisdiction and Foreign Judgments and the European Convention on Cyber Crimes.	
SLO-3	commerce, understanding in regulation and the legal control	s identity management issues in the old context of e-commerce, ensuring	e copyright infringement in g cyberspace, employing advancea	domestic legal regimes, lemphasizing the application and implications of the Information	Demonstrate advanced proficiency in implementing security defenses, utilizing the NIST 800 framework and deploying various firewall types strategically by law
SLO-4	law case, discussing regulator aspects and legal frameworks i cyber space.	n compliance strategies for cross border e-commerce, culminating in group presentations.	o an advanced workshop focusing on legal research methodologies for IPR issues in cyberspace, emphasizing critical analysis and application.	and domestic legal regimes, focusing on key conventions like Hague, European Cyber Crimes, and UNCITRAL Model Law.	frameworks and implications in an advanced tutorial on cyber security
SLO-5	depth analysis of key cyber law legislations, examining the	- Practice: Organize a symposium where students present their research findings on recent developments and legal challenges in e-commerce regulations fostering discussions on emerging trends.	r for LLM students to present and t discuss advanced legal research s on contemporary challenges in , digital copyright, fostering	scenarios to apply the Hague Convention, European Cyber	frameworks and implications, encouraging critical thinking and advanced understanding.





SLO-6	legal research on the regulatory frameworks impacting e-	Practice: Assign students different practice: Establish a research jurisdictions to conduct a clinic for LL.M. scholars to comparative analysis of privacy investigate and analyze the and data protection legislation evolving jurisprudence in digital impacting e-commerce, copyright, emphasizing cutting-highlighting key differences and developments. Practice: Conduct a mock IPR Practice: Conduct a hands-on clinic where participants analyze simulation where students formulate legal strategies for Convention, WIPO Copyright cyber defense, applying NIST 800 and the OECD Convention framework and firewall types within a legal context.
SLO-7	online contracts, exploring the mechanisms for their regulation and enforcement in the digital environment.	reasonable restrictions and their nuances and impact on cross- of cyber law. extensive applicability. border legal issues
SLO-8	governing social media, understanding issues related to	Master the legal dimensions of Attain advanced proficiency in privacy and data protection in e-conceptualizing trademarks in the commerce, addressing compliance digital realm, showcasing an insufficient protection laws and depth understanding of their roles safeguarding consumer and implications. Master the legal dimensions of Analyze the legal implications of the UNCITRAL Model Law on Electronic Commerce 1996, System (IDS) signatures, exploring its significance and considering privacy, data effectiveness in regulating protection, and legal compliance. electronic transactions.
SLO-9	in cyber space, examining issues connected with copyright,	Gain insights into the legal Demonstrate sophisticated skills in complexities of e-commerce analyzing trademark infringement taxation and contractual issues, issues specific to cyberspace, understanding their impact on businesses and consumers. Demonstrate sophisticated skills in conduct advanced academic Explore the legal considerations research on the legal control surrounding monitoring and mechanisms of Intellectual logging techniques for threat detection, focusing on privacy laws conventions such as the Berne Convention and the WIPO Copyright Treaty.
SLO-10	e-commerce scenario to explore legal considerations, contracts, and taxation challenges.	contracts, engage in peer review, for protecting trademarks in Convention, WIPO Copyright legal strategies for security and facilitate class discussion on digital realms, covering advanced challenges and revisions. Convention, WIPO Copyright legal strategies for security and the OECD Convention defenses aligned with the NIST 800 concepts, case studies, and on Database Protection. Trademarks in Convention, WIPO Copyright legal strategies for security and the OECD Convention defenses aligned with the NIST 800 concepts, case studies, and on Database Protection.
SLO-11	related to social media, creating a	taxation laws presenting their LLM students to navigate complex symposium where students present leadership in GRC within cyber
SLO-12	jurisdictional nuances in intellectual property rights (IPR)	Practice: Conduct a jurisprudence review session where students Workshop: Crafting Advanced explore landmark cases shaping Writings on the Intricate Intellectual Property Rights (IPR) Relationship Between IPR and Convention on Database Practice: Organize a debate-style workshop exploring practical activity where students discuss and applications of the OECD analyze legal perspectives on Database emerging cybersecurity





		in e-commerce, analyzing legal Digital Expression for LL.M principles and implications.	Protection, addressing data protection and intellectual property concerns.	challenges, fostering critical legal analysis.
SLO-13	role of legal frameworks in ensuring accountability and	addressing issues related to understanding of the interaction Intellectual Property Rights (IPR) between domain names and in the context of e-commerce, including copyright, trademarks, legal regulations at both and patents.	of the OECD Convention on Database Protection, evaluating its implications on data protection and intellectual property	Examine the legal frameworks governing the implementation of cryptography, emphasizing encryption laws, data protection, and legal constraints.
SLO-14	Analyze the legal aspects of e- taxation, exploring the regulatory landscape and legal challenges associated with taxing digital transactions.	frameworks for consumer protection in e-commerce, ensuring fair practices and addressing disputes. competence, delving deepty international and domestic regulations governing IPR trademarks, and copyright in cyberspace.	Rome Convention, examining its impact on choice of law in	standpoint, considering legal
SLO-15	Comprehensive understanding of the Information Technology Act, 2000, examining its provisions and implications for legal practices in cyber space.	Develop awareness of jurisdictional issues in e-commerce and acquire skills in international trade dispute resolution, considering legal frameworks and mechanisms. Japanese of appreciation of the multifacetes of appreciation of appreciation of the multifacetes of appreciation of the multifacetes of appreciation of appreciation of the multifacetes of appreciation of the multifacetes of appreciation of a	I Develop expertise in the WIPO I Copyright Treaty and the Uniform I Domain-Name Dispute-Resolution I Policy (UDRP), analyzing their I roles in protecting intellectual r property and resolving domain disputes.	leadership in Governance, Risk & Compliance (GRC), emphasizing audit management and a deep understanding of the legal aspects of the Indian cyber security system.
SLO-16	Tutorial: Facilitate a discussion on intellectual property rights in cyber space, analyzing legal frameworks and fostering insights through a roundtable format.	Tutorial: Simulate an e-commerce dispute, assign roles (lawyers, mediators), and engage in negotiation, mediation, or arbitration, followed by a debrief and analysis. Tutorial: Facilitate a semina guiding students through completers cross-border IPR disputeresolution scenarios, applying advanced legal principles and examining international frameworks.	Rome Convention and delving into expertise-building on WIPO	Tutorial: conduct a seminar focusing on legal leadership in GRC within cyber security, emphasizing audit management and legal aspects of the Indian cyber security system.
SLO-17	research to identify relevant legal precedents and case law shaping the legal landscape of e- governance, with a focus on government initiatives and legal challenges.	Practice: Facilitate a roundtable discussion focused on legal research in consumer protection Resolution Symposium on Cybe within e-commerce, encouraging IPR Cases: LL.M. Participant students to share insights, challenges, and potential research directions.	resolution scenarios applying principles from the Rome Conve <mark>ntion and practicing resolution mechanisms such as UDRP.</mark>	exploring the legal implications of crafting IDS signatures,
SLO-18	Practice: Participants engage in legal research to benchmark cyber security compliance standards, exploring legal guidelines, industry best practices, and recent legal developments in the cyber security domain.		s legislative drafting challenge h where students draft sections . aligning with international and	considerations in monitoring and logging techniques for threat





Assessmen	t Continuous Learning Assessment - 1	Continuous Learning A	Assessment - 2
	Continuous Learning Assessment - 3		
Resources			
	Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Pe Belapure and Nina Godbole, Wiley India Pvt. Ltd.	erspectives by Sumit	6 Information Warfare and Security by Dorothy F. Denning, Addison Wesley.
	Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Create Space Independent Publishing Platform.	Henry A. Oliver,	7 Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd.
3	Data Privacy Principles and Practice by Natraj <mark>Venkat</mark> aramanan and Ashwin Sh	riram, CRC Press.	8 Cyber Laws: Intellectual Property & E-Commerce Security by Kumar K, Dominant Publishers.
4	Information Security Governance, Guidance for Information Security Managers 1st Edition, Wiley Publication.	by W. KragBrothy,	9 Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson, 13 th November, 2001)
5	Auditing IT Infrastructures for Comp <mark>liance by Martin Weiss, Michael G. Solomor Jones Bartlett Learning.</mark>	n, 2nd Edition,	Fundamentals of Network Security by E. Maiwald, McGraw Hill.





Rationale (CLR)	The purpose of learning this course is to:		De	epth		A	ttainm	ent			Pr	ograi	n Lea	arning	Outo	comes	s (PL0	O)		
CLR-1	Advanced expertise in cyber law, covering essential aspects such as cyber space definitions, internet regulations, e-commerce, online contracts, social media governance, IPR challenges, e-governance, e-taxation, and a profound understanding of the Information Technology Act, 2000. The curriculum is designed to provide both theoretical insights and practical skills necessary for navigating and addressing legal complexities in the rapidly evolving digital landscape.	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2	Elevate legal proficiency across Cyber Security, Regulatory Frameworks, Intellectual Property Rights, and E-commerce. It aims to cultivate a nuanced understanding of complex legal issues, encourage strategic application of legal frameworks, and develop leadership skills to navigate contemporary challenges in the dynamic legal landscape	,																		
CLR-3	Attaining advanced expertise in Intellectual Property Rights (IPR) with a deep dive into intricate aspects, including copyright challenges in the digital realm, cyberspace infringement issues, domain names, trademarks, and nuanced comprehension of legal regulations at both international and domestic levels. Emphasis is placed on understanding the influential role of public and private international law in shaping legal frameworks.		ļ	O	7															
CLR-4	Cultivate advanced legal proficiency by mastering international and domestic regulatory frameworks and conventions, including Hague, European Cyber Crimes, and UNCITRAL Model Law. Students will develop expertise in Intellectual Property Rights (IPR) control, database protection, and cyber law legislations, fostering a comprehensive understanding of the Information Technology Act, 2000, to navigate intricate legal landscapes effectively.	Š,	8	À	(ency (%)	nent (%)	wledge			ning	d Skills	Skills	ım Work		arning	al Reasoning	ities	Вu
CLR-5	Cultivates advanced legal proficiency, mastering global and local regulatory frameworks like Hague, European Cyber Crimes, and UNCITRAL. Students develop expertise in IPR, database protection, and cyber law (IT Act, 2000), enhancing skills to navigate intricate legal landscapes effectively.	Conceive	Design	Implement	Operate	Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy	Self-directed Learning	Moral and Ethical Reasoning	eadership Qualities	Life Long Leaming
Outcomes (CLO)	At the end of this course, learners will be able to:	Ö	Des	l d	g	[e	盗	盗	Disc	E	P	Ana	Res	25	ဗ္ဗ	Digi	Self	Mor	ea	Life
CLO-1	Develop advanced legal expertise in cyber law, covering cyber space definitions, internet regulations, e-commerce, online contracts, social media governance, IPR challenges, e-governance, e-taxation, and a deep understanding of the Information Technology Act, 2000.	1	1		-	2	85	75	3	2	-	1	-	3	-	2	2	1	2	3
CLO-2	Attain advanced legal proficiency across diverse domains including Cyber Security, Regulatory Frameworks, Intellectual Property Rights, and E-commerce, fostering a nuanced understanding of complex legal issues, strategic application of legal frameworks, and leadership in navigating contemporary challenges in the evolving legal landscape.	✓	✓	~	-	2	85	75	3	2	1	2	2	3	-	1	2	1	2	3
CLO-3	Attain advanced expertise in Intellectual Property Rights (IPR), delving into intricate aspects such as copyright challenges in the digital realm, cyberspace infringement issues, domain names, trademarks, and nuanced comprehension of legal regulations at both international and domestic levels, including the influential role of public and private international law in shaping legal frameworks.	1	1	1	1	3	85	75	3	1	3	1	3	3	-	1	1	2	1	3
CLO-4	Cultivate advanced legal proficiency by mastering international and domestic regulatory frameworks, conventions like Hague, European Cyber Crimes, and UNCITRAL Model Law. Develop expertise in Intellectual Property Rights (IPR) control, database protection, and cyber law legislations, including a comprehensive understanding of the Information Technology Act, 2000	1	✓	~	1	3	85	75	3	3	2	3	3	3	-	2	3	3	3	3
CLO-5	This course aims to cultivate advanced legal proficiency by mastering international and domestic regulatory frameworks and conventions, including Hague, European Cyber Crimes, and UNCITRAL Model Law. Students will develop expertise in Intellectual Property Rights (IPR) control, database protection, and cyber law legislations, fostering a comprehensive understanding of the Information Technology Act, 2000, to navigate intricate legal landscapes effectively.	~	✓	~	~	3	85	75	3	3	2	3	3	3	-	3	3	3	3	3





			Cor	itinuous Learning Ass	essment (CLA 40% \	Neightage)			Ein	al
Level of Thinking	Model E (20%		Assignment/ Semina Presen				Participation in curricular & Para	class room/co- curricular activities		
	(20%	6)	(109	%)	(5	5%)	(59	%)	(60)	%)
Remember Understand	40%	-	40%	tion Publication (5%) curricular & Para curricular activities - 30% - (5%) (60%) - 40% - - 40% - - 30% - - 20% -						
Apply Analyze	40%		40%		40%	12-		-	40%	
Evaluate Create	20%	-	20%	C. Carrie	30%	10-		-	20%	
Total	100	%	100	%	10	0 %	100) %	100	%

Strategies				
Technology	Pedagogy / Andragogy		Sustainable Development	
Simulations	✓ Clarification/Pauses	✓	Good Health & Well Being	✓
Presentation Tools	✓			
Learning Management System	Group Discussion	✓	Quality Education	✓
	Hands-on Practice	✓		
	Debate	✓		
	Interactive Lecture	✓		
	Brainstorming	✓	-	

Designers		
Professional Experts	Higher Institution Experts	Internal Experts
1 <name>, <industry name="">, <email id=""></email></industry></name>	1 <name>, <institution name="">, <email id=""></email></institution></name>	1 <name>, SRMIST, <email id=""></email></name>
2 <name>, <industry name="">, <email id=""></email></industry></name>	2 <name>, <institution name="">, <email id=""></email></institution></name>	2 <name>, SRMIST, <email id=""></email></name>





 Code
 PLCS24201T
 Title
 JUDICIAL PROCESS
 Category
 Professional Core
 L T P C 3 1 2 5

 Course Offering
 Outside
 Progressive
 Data Book /

Course Offe Departme		Co-requisite Courses	Progressive Courses	Data Book / Codes/Standards	
Title & Content	NATURE OF JUDICIAL PROCESS	DIMENSIONS OF JUDICIAL PROCESS	JUDICIAL PROCESS IN INDIA	JUDICIAL PROCESS IN CONSTITUTIONAL AMENDMENT	JUDICIAL ADMINISTRATION
Duration (hour)	18	18	18	18	18
SLO-1	Comprehend the stages and key components of judicial process, including initiation of legal action,pleadings,discovery,final,verdict, judgment,appeals ,enforcement of judgements.	Explain and comprehend different methods of interpretation to interpret law to ensure consistency and fairness in decision making.	Examine the structure of the judicial system in India including the hierarchy of courts, its jurisdiction and function at each level of judiciary.	Comprehend and analyze the rationale behind the doctrine of Prospective overruling and its implications for legal certainty, stability, and the rule of law.	Comprehend the process of selection and appointment of Judges in district court, high court and supreme court of India.
SLO-2	Examine the concepts of law, justice, ethics and morality including their interrelationships and distinctions	Examine the approaches and methodology employed in constitutional interpretation of the civil law and common law countries	Comprehend the system of alternative adjudication in India such as mediation, arbitration, and conciliation, as alternatives to traditional litigation	Examine and analyze the doctrine of colourable legislation	Examine the policies and procedures governing the transfer of judges within the judiciary, including the reasons for transfers and the mechanisms for ensuring transparency and fairness in the transfer process.
SLO-3	Analyze the intersection of legal decisions with ethical and moral considerations and how justice is sought through legal mechanisms	Comprehend the approaches and methodology employed in the statutory interpretation of civil law and common law countries.	Gain comprehensive understanding of the structure, jurisdiction, and effectiveness of Nyaya Panchayats in providing access to justice and resolving disputes at the grassroots level.	Gain a comprehensive understanding of the doctrine of harmonious interpretation and its role in reconciling conflicting provisions within statutes or constitutional provisions.	Analyze the importance of manpower planning in ensuring the effective functioning of the judiciary, including the allocation of human and financial resources.
SLO-4	Tutorial: Conduct an in depth discussion on law,justice,ethics and morality.	Tutorial: Conduct an in depth discussion on the comprehensive understanding of methods of interpretation	Tutorial: Conduct an in depth discussion of advantages and limitations of alternative adjudication and its role in reducing the burden on the formal judicial system	Tutorial: Conduct an in depth discussion on the doctrines of constitutional interpretation	Tutorial: Conduct an in depth discussion on recent appointment and transfer of judges in high courts and supreme court of India





SLO-5	Practice: Evaluate and analyze hypothetical legal scenarios by applying the ethical considerations and reasoning techniques.	Practice: Evaluate different legal scenarios by employing different types of interpretation .	Practice: Engage in case studies involving landmark cases of alternative adjudication in India.	Practice: Engage in case studies involving landmark cases of prospective overruling .	Practice: Discuss the impact of transfer policies on judicial independence, efficiency, and accountability.
SLO-6	Practice: Engage in making well reasoned arguments and making sound legal judgements based on relevant laws,precedents and ethical norms.	Practice: Explore and differentiate between different methods of interpretation in civil and common law countries.	Practice: Classroom application of alternative dispute resolution methods for hypothetical cases.	Practice: Engage in case studies involving landmark cases of colourable legislation, harmonious construction .	Practice: Discuss the challenges and considerations involved in manpower planning, such as budget constraints, staffing levels, and workload distribution.
SLO-7	Comprehend the various components of legal reasoning and examine application of these reasoning to analyze legal issues and construct persuasive arguments.	Analyze the concept of judicial review and its importance in analyzing the constitutionality of laws.	Gain an understanding of the evolution of public interest litigation/ social interest litigation in india.	Comprehend and analyze other doctrines including pith and substance.	Examine the legal framework governing judicial impact assessment as a tool for evaluating the potential impact of judicial decisions, legislation, or policy changes on the judiciary and the legal system.
SLO-8	Discuss and understand deductive reasoning, inductive reasoning and dialectical reasoning.	Examine the concept of judicial activism, proactive role of judges in shaping individual rights and progressive social change.	Examine the procedural aspects of public interest litigation/ social interest litigation, including standing, locus standi, and the role of public interest petitioners and interveners.	Examine and analyze the origins, development, and significance of the Doctrine of Basic Structure theory in constitutional jurisprudence.	Analyze the methodology and process of conducting Judicial Impact Assessment and its role in promoting transparency, accountability, and evidence-based decision-making.
SLO-9	Comprehend the concept of analogy, reasoning by comparison to similar cases.	Comprehend the concept of judicial restraint	Gain an understanding of landmark public interest litigation/ social interest litigation cases and their impact on social justice, human rights, environmental protection, and governance in India.	Analyze the recent judicial decisions and developments related to the Doctrine of Basic Structure Theory, including its application to specific constitutional provisions and issues.	Examine the factors contributing to mounting arrears in the judicial system, such as backlog of cases, delays in court proceedings, and inefficiencies in case management.
SLO-10	Tutorial: Conduct in depth discussion on methods of legal reasoning.	Tutorial: Conduct an in depth discussion on the proactive role of the judges through judicial activism as against the conventional separation of powers.	Tutorial: Conduct an in depth discussion on public interest litigation in Indian jurisprudence	Tutorial –.Conduct an in depth discussion on the basic structure doctrine and amendment of constitution.	Tutorial – Conduct an in depth discussion on the judicial impact assessment.





SLO-11	Practice: Engage in giving illustration of cases to apply general principles to specific cases and specific principles to general cases.	Practice: Discuss in case studies involving judicial review .	Practice: Engage in case studies involving landmark cases of public interest litigation.	Practice: Engage in case discussion of Kesavananda Bharathi v state of kerala	Practice: Discuss the potential effects of judicial decisions on various stakeholders and the broader legal system.
SLO-12	Practice: Engage in giving illustration of cases by comparison to similar cases to understand the concept of analogy	Practice: Discuss in case studies involving judicial activism and judicial restraint	Practice: Engage in the classroom drafting of public interest litigation petitions .	Practice: Engage in case discussion of other cases relating to basic structure doctrine.	Practice: Examine the practical consequences of mounting arrears on access to justice, judicial efficiency, and public confidence in the legal system.
SLO-13	Explore the tools and techniques employed by judges to creatively interpret laws to balance the competing interests	Explain the principles of judicial accountability,transparency and independence of judiciary as an essential component of fair and impartial judiciary.	Comprehend the concept of judicial policy-making and its role in shaping legal doctrines, principles, and public policy.	Comprehend and analyze the process of constitutional amendment in india	Examine the patterns of court management, such as case-flow management, docket management, and alternative dispute resolution mechanisms.
SLO-14	Comprehend the ethical and practical implications in judicial creativity in promoting fairness and justice within the legal system.	Comprehend the mechanisms for promoting judicial accountability and transparency, such as judicial codes of conduct, judicial performance evaluations, and public access to court proceedings and records.	Gain an understanding of the evolution of doctrines and principles in India	Comprehend the process of constitutional amendment in America, the historical context of constitutional amendments and their impact on civil rights, governance, and federalism.	Explore the recommendations made by the Law Commission or similar bodies relating to court management, reforming the judiciary and improving the administration of justice.
SLO-15	Explore the importance of precedents in the common law system and how it operates as a source of legal authority in providing guidance to courts in similar cases.	Gain an understanding of the Bangalore principles of judicial conduct aimed at promoting judicial integrity	Gain an understanding of the landmark judgments and legal developments that have contributed to the evolution of Indian legal principles and doctrines over time.	Examine, compare and distinguish the constitutional amendment process in different legal systems such as India and America .	Examine and analyze the national case management system in India including the E court system in India .
SLO-16	Tutorial: Conduct in depth discussion on the tools and techniques of judicial creativity and its role in shaping legal principles and doctrines	Tutorial: Conduct an in depth discussion on judicial integrity .	Tutorial: Conduct an in depth analysis and discussion on, judicial policy-making, and the evolution of legal doctrines and principles.	Tutorial: Discuss the step-by- step walkthrough of the amendment process in India and USA, and the potential exemptions.	Tutorial: Discuss in detail the Lord Woolf's Report on "Case Management" (UK)- Australian Law Reform Commission on "Judicial and case Management"





SLO-17	Practice: Discuss on landmark cases illustrating the interpretation and application of these principles.	Practice: Discuss the role of judges in safeguarding the rule of law and judicial integrity .	Practice: Engage in discussion on landmark cases related to legal doctrine in india	Practice: Discuss landmark cases pertaining to constitutional amendment in the USA.	Practice: Discuss the practical feasibility and effectiveness of these recommendations in addressing systemic challenges and promoting judicial efficiency and accountability.
SLO-18	Practice: Discuss the case studies to understand the doctrine of precedent	Practice: Discuss the key principles outlined in the Bangalore Principles and their relevance to ensuring judicial independence, impartiality, integrity, and competence.	Practice: Discuss the ethical considerations and professional responsibilities involved in judicial decision-making, policy formulation, and legal advocacy.	Practice: Discuss case studies pertaining to constitutional amendment in India.	Practice: Discuss the concept of master of roaster in India
			The state of the s		

F	esources		
1	A. Lakshminath, "Precedent in Indian Law: Judicial Process" EBC Publication (2009	2	Aharon Barak, The Judge in a Democracy (Princeton University Press, 2008)
3	S.P. Sathe, Judicial Activism in India: Transgressing Borders and Enforcing Limits (2003)	4	Bernard C. Gavit, Ralph F. Fuchs, Cases and Materials on an Introduction to Law and the Judicial Process (1952)
5	Mauro Cappellletti, The Judicial Process in Comparative Perspective (Clarendon Press: Oxford, 1989).		





Rationale (CLR) The purpose of learning this course is to:		De	pth		At	tainn	nent			Pro	ogran	ı Lea	rning	Outo	come	s (PL	O)		
CLR-1 Enable participants to gain a comprehensive understanding of the judicial process, including the inquiry into law, justice, ethics, and morality. To explore the components of legal reasoning, such as deductive, inductive, analogy, and dialectical reasoning, along with the tools and techniques of judicial creativity and precedent.	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2 To provide participants with an understanding of various methods of interpretation, including constitutional interpretation and statutory interpretation in civil and common law countries. To explore concepts such as judicial review, judicial activism, judicial self-restraint, judicial accountability, transparency, and independence, with a focus on the Bangalore Principles. CLR-3 Provide participants with a comprehensive understanding of the structure of the judicial system in India, alternative methods of adjudication such as Nyaya Panchayats, the judicial process, Public Interest Litigation (PIL) or Social Action Litigation (SAL), judicial policy-making, and the evolution of legal doctrines and principles.	T;	1	1,	0													ng		
CLR-4 Equip participants with a deep understanding of legal doctrines and principles, including the Doctrine of Prospective Overruling, Colorable Legislation, Harmonious Interpretation, the Doctrine of Basic Structure Theory, Recent Developments in this theory, and the position of Constitutional Amendment in America.				ď	000	ency (%)	nent (%)	owledge	200		ning	ı Skills	Skills	ım Work		ırning	al Reason	ities	gu
CLR-5 Equip participants with comprehensive understanding of various aspects related to the selection and appointment of judges, transfer policies, manpower planning including finance, Judicial Impact Assessment (JIA), mounting arrears in courts, workload management, patterns of court management, and recommendations made by the Law Commission.	Сопсеіуе	u8.	Implement	Operate	Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy	Self-directed Learning	Moral and Ethical Reasoning	Leadership Qualities	Life Long Learning
Outcomes (CLO) At the end of this course, learners will be able to:	Con	Design	Imp	Ope	Leve	Exp	Exp	Disc	Crit	Prol	Ana	Rese	Con	Coo	Dig	Setf	Mor	Lea	Life
CLO-1 Gain a comprehensive understanding of the judicial process, legal reasoning, and the ethical dimensions of law and justice, enabling them to navigate complex legal issues with analytical rigor and ethical awareness.				-	2	85	75	3	-	-	1	-	3	-	2	2	1	2	3
CLO-2 Acquire understanding about various methods of interpretation employed by courts, the dynamics of judicial decision-making, and the broader issues of judicial accountability, transparency, and independence. Also, analyze legal issues, assess judicial decisions, and contribute to discussions on judicial reform and governance.				-	2	85	75	3	2	1	2	2	3	-	1	2	1	2	3
CLO-3 Gain comprehensive understanding about the functions of judiciary, the role of courts in promoting access to justice and social change, and understand the challenges and opportunities for judicial reform and development. To understand the complexities of the legal system and its impact on society, governance, and development.					3	85	75	3	1	3	1	3	3	-	1	1	2	1	3
CLO-4 Develop a nuanced understanding of key legal doctrines, principles, and theories, enabling them to critically analyze constitutional issues, legal issues, interpret statutes, engage in informed debates, and contribute to the development of constitutional jurisprudence and legal reform.			٨		3	85	75	3	3	2	3	3	3	-	2	3	3	3	3
CLO-5 Comprehend the challenges in judicial administration and management, also, to contribute to the development and implementation of policies and reforms aimed at enhancing the efficiency, accessibility, and accountability of the judiciary.					3	85	75	3	3	2	3	3	3	-	3	3	3	3	3





		Continuous Learning Assessment (CLA 40% Weightage) Model Exam (20%)									
Level of Thinking			Ass di	ignment/ Se scussion/ Pr	eminar/Group resentation			curricular	& Para curricular	Fir Exa	
	(20	%)		(10%	6)	111	(5%)		(5%)	(60	%)
Remember	40%			40%	20122-	30%				40%	
Understand	40 /0	_		40 /0	-	30 /6			-	40 /0	_
Apply	400/			400/	47	400/	(1)			400/	
Analyze	40%		2	40 70	14075	40%			-	40%	-
Evaluate	200/			200/	2000	200/				20%	
Create	20%	-		20%	65	30%	(A)		-	20%	-
Total	100	%	N /	100	%	163	100 %		100 %	100	%

Strategies							
Technology		Pedagogy / Andragogy			Sustainable Development		
Simulations	✓	Clarification/Pauses		✓	Good Healt <mark>h & W</mark> ell Being	✓	
Presentation Tools	✓		The state of the s				
Learning Management System		Group Discussion	Killer Marie	✓	Quality Education	✓	
		Hands-on Practice	175	✓			
		Debate	14	✓			
		Interactive Lecture		1	7		
		Brainstorming		1			

Designers								
Professional Experts	Higher Institution Experts	Internal Experts						
1	DR. REDDIVARI REVATHI (Former HOD, Department of constitutional law, in School of Excellence in Law)	1 Ms G. Bhavani, Assistant Professor, School of Law, SRMIST						
2	2 DR. MANJULA, Assistant Professor, School of Excellence in Law	2						





Code	PLC	S24202T	Title	CYBER CRIMES & CYBER SECURITY			Cate	egory	Professional Co	re L	T 1	P C 2 5	; ;	
Offe	arse ering erment	School of Law	Pre-req	quisite	Co-requisite Courses		Progressive Courses			Book / Standards				

Title & Content	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5			
Duration (hour)	18	18	18	18	18			
SLO-1	Define the concept of cybercrime and identify its key characteristics.	Define crimes against state and government, including examples of such crimes and their legal implications.	Define and differentiate various types of cybercrimes such as cyberbullying, cyberstalking, phishing, cyberfraud, cybertaxation, spyware, e-mail spoofing, spamming, voyeurism, e-mail bombing, verbal attacks, clone attacks, flood attacks, cyberpornography, child pornography, social media frauds, online drug trafficking, cyber extortion, online recruitment fraud, cybercrimes against women, harassment via emails, and morphing.	Define and explain various types of cybercrimes against property such as computer trespassing, dissemination of viruses, hacking the network, website access by unauthorized parties, credit card fraud, disk loading, counterfeit software, internet time theft, and cybersquatting.	Identify and explain the key provisions and objectives of the Council of Europe's Convention on Cybercrime (2001), including its role as an international treaty aimed at addressing cybercrime through cooperation among states.			
SLO-2	Explain the process of criminalizing certain conduct in cyberspace, including the role of legislation and case law.	Explain the concept of cyber warfare, its key ingredients, different types, and common perpetrators involved in carrying out these attacks.	Explain the psychological, emotional, and social impact of cyberbullying and cyberstalking on victims, including children and adolescents.	Identify and analyze the elements of each type of cybercrime against property, including any legal definitions or requirements for prosecution.	Analyze the significance of the Additional Protocol to the Convention on Cybercrime Concerning the Criminalization of Acts of a Racist or Xenophobic Nature Committed Through Computer Systems (2003) in promoting human rights online and preventing hate speech.			





SLO-3	Analyze the various behaviors that constitute cybercrimes, such as hacking, phishing, identity theft, and fraud.	Analyze the motivations and targets of various forms of cyber warfare, and evaluate the potential impact on national security.	Identify the legal and ethical implications of engaging in cyberdefamation or cyber smearing, and understand the consequences of spreading false information about others online.	Explain the impact of cybercrimes against property on individuals, businesses, and society as a whole.	Evaluate the impact of the Second Additional Protocol to the Convention on Cybercrime on Enhanced Cooperation and Disclosure of Electronic Evidence (2022) on cross-border investigations and information sharing between countries.
SLO-4	Tutorial: Seminar on Criminological Perspectives of Cybercrimes	Tutorial: Group Discussion on the Need for a clear definition of Cyberwarfare.	Tutorial: Seminar on the Evolving Aspects of Cyberdefamation in India.	Tutorial: Seminar on the broader societal implications of cybercrimes against property on individuals, businesses, such as effects on trust, security, and innovation.	Tutorial: Seminar on the Potential to Misuse Computer Systems to Propagate Racist and Xenophobic Ideas
SLO-5	Practice: Analyze how judges can influence legal norms regarding digital activities based on their rulings in specific cases.	Practice: Research upon cyber attacks in the past decade and list down how many of them have been perpetrated by State actors and non-State actors respectively.	Practice: Perform an ILAC analysis on problem scenarios in situations that could potentially be classified as one of the listed cybercrimes.	Practice: Gather key statistics or case studies demonstrating the economic impact of cybercrimes on organizations and write a report on the incidence of these cybercrimes in India.	Practice: Write an essay on the need for balancing between freedom of expression and effectively fighting against acts of a racist and xenophobic nature.
SLO-6	Practice: Write a short note on how cybercrimes are different from other crimes, considering factors like mens rea, actus reus, and stages of commission of a crime.	Practice: List down some common types of cyber warfare including espionage, economic disruption, propaganda attacks, power grid disruptions, etc., and explain their implications on day to day human life of the victim State's people.	Practice: Write a note on how AI has the tendency to aggravate or increase ease of facilitation of cybercrimes.	Practice: Identify the key elements that constitute cybercrimes against property discussed in this unit and explain how they meet the definition of the specific cybercrime	Practice: Write an overview of the Convention on Cybercrime Concerning the Criminalization of Acts of a Racist or Xenophobic Nature Committed Through Computer Systems (2003) and its objectives.
SLO-7	Evaluate the complexities involved in determining jurisdiction over cybercrimes, including territorial, personal, and subject matter jurisdiction.	Differentiate between cyber warfare and cyber terrorism, highlighting the unique features and challenges associated with each phenomenon.	Analyze the risks and vulnerabilities associated with phishing scams, and develop strategies for identifying and avoiding them.	Apply critical thinking skills to evaluate potential risks and vulnerabilities related to cybercrimes against property in different scenarios.	Compare and contrast the UN Convention Against Transnational Organized Crime (2000) with other international instruments relevant to combating cybercrime, such as the Budapest Convention.





SLO-8	Distinguish between criminality and criminal liability in the context of cybercrimes, and apply relevant legal principles.	Define cyber terrorism, including its key ingredients, typical targets, and underlying motivations for engaging in this form of criminal activity.	Evaluate the potential financial and personal losses resulting from cyber fraud and cybertheft, and learn how to protect oneself from becoming a victim.	Develop strategies for preventing and mitigating cybercrimes against property through best practices and security measures.	Apply principles of international children's rights as enshrined in the Convention on the Rights of the Child (1989) and its optional protocols to cases involving child victims of cybercrime.
SLO-9	Apply the concepts of actus reus (guilty act) and mens rea (guilty mind) to specific cybercrimes.	Evaluate the role of hacktivism as a form of political protest or social activism, compared to more destructive forms of cyber terrorism.	Understand the dangers of installing spyware and other malicious software on one's devices, and explore methods for detecting and removing such threats.	Investigate and analyze evidence related to cybercrimes against property using appropriate tools and techniques.	Interpret the relevance of the Convention on the Protection of Children against Sexual Exploitation and Sexual Abuse (2007) to issues surrounding sexual exploitation and abuse of minors online.
SLO-10	Tutorial: Challenges in the Deterritorialization in Cybercrimes	Tutorial: Seminar on the Impact of DDoS (Distributed Denial-of-Service) on a State's economy and public order.	Tutorial: Expert Talk on Cyber Fraud and their Prevention.	Tutorial: Group Discussion on the Incidence of Phishing in India.	Tutorial: Seminar on the Rising Incidence of Crimes against Children online
SLO-11	Practice: Pick any two Supreme Court or High Court cases involving appeals against cybercrime charges; and highlight the complexities in ascertaining mens rea and actus reus	Practice: Prepare a Differentiation Table showing the major differences between cyber warfare and cyber terrorism on the basis of at least the following criteria: Primary goals of the attack(s), Nature of the Actors involved, Legal framework and international norms, and the Key tactics and techniques used to carry out their attack(s).	Practice: Joining hands with the Clinical Legal Education Cell, draft a presentation or infographic on the Prevention of Cyber Fraud and Cyber Theft from electronic devices, and visit a certain number of schools nearby to sensitize students regarding this topic.	Practice: Analyze a problem scenario where an organization has been attacked by a ransomware attack that has encrypted all of its files and is demanding a large sum of money for their release. Identify potential risks and vulnerabilities that may have contributed to this attack, such as outdated software or lack of employee training on phishing emails, and suggest risk mitigation measures.	Practice: Analyze the definition of sexual abuse under Article 18 of the Council of Europe Convention on the Protection of children against sexual exploitation and sexual abuse (2007).
SLO-12	Practice: Summarize the Article titled 'Extraterritorial Enforcement Jurisdiction in Cyberspace: Normative Shifts' by Cedric Ryngaert, https://doi.org/10.1017/glj.2023.24.	Practice: Write a short note on the concept of hacktivism and what are their common modus operandi.	Practice: Research on some of the most common and effective antivirus programs in both paid and free options.	Practice: Draft a password management policy for your organization, considering factors like automatic strong password generation and two-factor authentication.	Practice: Write a brief note on the principles imbibed under the Convention on the Rights of the Child, 1989 which aim at protecting children from sexual exploitation, and how they seek to prevent cybercrimes against children.





SLO-13	Assess the application of strict liability in cases of cybercrime, and evaluate its advantages and disadvantages.	Identify and explain different types of malicious software (malware), including viruses, worms, Trojan horses, and spyware.	Investigate the techniques used by spammers and email bombers to overwhelm individuals and organizations with unwanted messages, and discuss ways to mitigate their effects.	Evaluate the effectiveness of current laws and policies aimed at deterring and punishing cybercrimes against property.	Examine the legal framework governing cyber operations under the Tallinn Manual 2.0 International Law Applicable to Cyber Operations (2017), particularly in relation to state sovereignty and use of force.
SLO-14	Compare and contrast different types of cybercrimes, including those against property, individuals, reputation, and the state.	Describe best practices for implementing technical security measures to prevent or mitigate the effects of cyber threats, such as firewalls, intrusion detection systems, and encryption technologies.	Examine the harms caused by online voyeurism, child pornography, and other forms of sexual exploitation, and consider the role of law enforcement and technology companies in combating these crimes.	Understanding complex ideas and concepts related to cybercrimes against property effectively.	Demonstrate knowledge of India's national laws relating to cybercrime, such as the Information Technology Act, 2000 and amendments thereto, and their intersection with the IPC.
SLO-15	Investigate the involvement of transnational organized groups in cybercrimes, and analyze their impact on national and international security.	Assess the current laws and regulations designed to combat cyber terrorism, evaluating their effectiveness and identifying areas where further reform may be necessary.	Reflect on the challenges and opportunities presented by social media platforms, and develop responsible and safe practices for using them to communicate and share information.	Understand the ethical implications of engaging in or failing to prevent cybercrimes against property and develop a personal code of ethics regarding online behavior.	Critique current legal regimes and propose potential reforms to better address emerging challenges posed by cybercrime while balancing individual privacy and security concerns.
SLO-16	Tutorial: Changing Landscape of Strict Liability in Cybercrimes - the Doctrine of Abnormally Dangerous Activities	Tutorial: Seminar on some of the most dangerous viruses ever, and how they impacted users on the internet.	Tutorial: Seminar on Managing spam and inappropriate content on social media	Tutorial: Group Disc <mark>ussion</mark> on the rise of phishing scams in India.	Tutorial: Group Discussion on new Emerging Cybercrimes in India and beyond.
SLO-17	Practice: Scour the internet to observe 10 websites where objectionable content has been posted/aired/featured. Write a short note on the various types of cybercrimes that may be attracted by these objectionable content.	Practice: Create a secure communication channel between two endpoints (e.g., client and server), using OpenSSL or any other tools.	Practice: Analyzing Spamming and Email Bombing Techniques done by Websites and other Online Services, by setting up an email account specifically for this exercise, and then subscribing to various newsletters, free trials, and promotional offers.	Practice: Identify a specific type of cybercrime against property that you believe is particularly difficult to detect or prosecute, botnet attacks pr phishing attacks, and analyze whether the existing laws and policies aimed at preventing and punishing this type of crime are effective.	Practice: Based upon the above Group Discussion, write a Report on what reforms and amendments are needed to strengthen protection of liveware against cybercrimes.





	Practice: Analyze whether	Practice: Examine the National	Practice: Based on the analysis in	Practice: Research 1 Indian and	Practice: Write a short note on
	internet platforms should be	Cyber Security Policy, 2013,	the above exercise, implement	1 foreign judgment each deciding	the principle of neutrality in cyber
	held strictly liable for	released by the Department of	relevant anti-spam measures and	on any specific type of	operations under the Tallinn
	objectionable content	Electronics and Information	tools on the dedicated email	cybercrime against property,	Manual 2.0 International Law
SLO-18	posted on their platforms.	Technology (DeitY), and	account, such as ad-blockers,	compare the ratio decidendis	Applicable to Cyber Operations
SLU-10		critique this Policy.	filters, blocklists, challenge-	applied by the Courts in the two	(2017).
			response systems, or other third-	cases, and comment on how	
			party software, and comment on	different the jurisprudence	
		-1.	the changes brought in terms of	pertaining to that cybercrime is in	
		17,	how spamming has reduced.	India as compared to the other's.	
		11.		1	

Assessment	Continuous L <mark>earning</mark> Assessment - 1	Continuous Learning Assessment - 2
	C	Continuous Learning Assessment - 3





R	Resources									
1	S.V. Joga Rao, Law of Cyber Crime and Information Technology, Wadhwa and Co., Nagpur.									
3	R. C Mishra, Cyber Crime Impact in the New Millennium, Auther Press. Edition 2010.	4	Barkha and U. Ram Mohan, Cyber Law s and Crimes, 3rd Edit ion, Delhi Law House.							
5	Babak Akhgar & Andrew Staniforth & Francesca Bosco, Cyber Crime and Cyber Terrorism Investigator's Handbook (2014).	6	Andrew Murray, The Regulation of Cyberspace, 2006; Rutledge – Cavendish.							
7	Ian Walden, Computer Crimes and Digital Investigations, OUP 2016.	8	Peter Grabosky, Henry N. Pontell, Cyber Crime, OUP 2015.							
9	Jens David Ohlin, Kevin Govern, Claire Finkelstein, Cyber War, OUP 2015.	10	Andrew Murray, Information Technology Law, OUP 2023.							





Rational	(CLR) The purpose of learning this course is to:		Dep	oth		Atta	inm t	en	F	rog	ram		arni PL(ng C O)	Outo	om	es
CLR-1	Define the concept of cybercrime and its significance in modern society, and understand the different types of cyber crimes and their impact on individuals, businesses, and governments.	1	2	3	4	1	2	3	1	2 3	4	T Ì	т	7 8	9	1 0	1 1 1 2
CLR-2	Analyze the legal and ethical considerations involved in creating new laws to address cybercrime, and evaluate the potential unintended consequences of over-criminalization or under-criminalization of activities in cyberspace.																
CLR-3	Learn the elements required for a behavi <mark>or to be c</mark> onsidered a cybercrime; distinguishing between different types of cyber crimes based on their le <mark>vel of sop</mark> histication and organization, along with the motivations behind different forms of cybercrime, such as financial gain, political activism, or personal revenge, etc.																
CLR-4	Understanding the various approaches to attribution and responsibility in cyberspace, along with the application of actus reus and mens rea to specific cybercrime scenarios, considering the role of strict liability and other principles of criminal liability in specific cybercrimes.															0	
CLR-5	Learning the various types of cybercrimes according to their targets (property, individuals, reputation, or state), assessing the implications of transnational organized crime for law enforcement and international cooperation, and the appropriate responses to cyber threats at the national and global levels, including diplomatic, economic, and military measures.	7				nking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	king	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work Digital Literacy	Self-directed Learning	Moral and Ethical Reasoning	eadership Qualities ife Long Learning
		Conceive	LE LE	Implement	ate	Level of Thinking	cted P	cted A	plinary	Critical Thinking Problem Solving	rical R	arch-re	munica	eration/Te	directe	l and E	ership ong Le
Outcome	S (CLO) At the end of this course, learners will be able to:	Conc	Design	Imple	Operate	Leve	Expe	Expe	Disci		Analy	Rese	S	Cooper	Self	Mora	Lead Life L
CLO-1	Understand the concept of crime in cyberspace, definitions of cybercrime and its criminalization in different jurisdictions; behavior exhibited in cybercrimes and the legal requirements necessary to establish criminality and liability including jurisdiction and classification of cybercrimes, based on the victim(s), such as crimes against property, individuals, reputation, and states.	i			-	2	85	75	3	2 -	1	-	3	- 2	2	1	2 3
CLO-2	Learn the nature of cyberwarfare and cyberterrorism, including their defining characteristics, ingredients targets, motivations, and offenders; along with analyzing technical security measures that comba cyberterrorism and other similar threats.				-	2	85	75	3	2 1	2	2	3 2	2 1	2	1	2 3
CLO-3	Learn the various cybercrimes targeted at individuals, such as cyberbullying, cyberstalking, identity the phishing, cyber fraud, voyeurism, social media frauds, online drug trafficking, etc., and groups of individuals, such as cybercrimes against women and transgenders.					3	85	75	3	1 3	1	3	3	- 1	1	2	1 3
CLO-4	Investigate various cybercrimes related to property, such as computer trespassing, dissemination of viruses hacking networks, website access by unauthorized parties, intellectual property crimes, credit card fraud disk loading, internet time theft, and cybersquatting.					3	85	75	3	3 2	3	3	3 2	2 2	3	3	3 3
CLO-5	Review major international and national laws established to combat cybercrime, such as the Budapes Convention, Palermo Convention, Tallinn Manual, IT Act, and IPC. Familiarizing themselves with these conventions and statutes, enabling learners to appreciate how Governments worldwide address these challenges through legislation and cooperation.	2				3	85	75	3	3 2	3	3	3 .	1 3	3	3	3 3





Assessment Method (Max. Marks	: 100)										
			Continuo	us Learning Asse	essment (CLA 40	0% Weightage)					
Level of Thinking	Model Exam (20%)		Assignment/ Se discussion/ P	Assignment/ Seminar/Group discussion/ Presentation		on in seminar/ e/ Publication	Participation in curricular & Partic	ara curricular	Fir Exa		
	(20)	%)	(10%	6)	(:	5%)	(5%	6)	(60	(60%)	
1 Remember	40%	_	40%	20111	30%				40%		
2 Understand	40 /0	-	40 /0	-	30 /0			-	40 /0	<u>-</u>	
3 Apply	40%		40%		40%	(1)			40%		
4 Analyze	40 /0	_	40 /0	14079	40 /0			-	40 /0	-	
5 Evaluate	20%		20%	2.000	30%				20%		
6 Create	20%		20%	15 Jun 19	30%			-	20%	-	
Total	100	%	100	%	10	00 %	100	%	100) %	

Strategies					
Technology		Pedagogy / Andragogy		Sustainable Development	
Simulations		Clarification/Pauses		Good Health & Well Being	
Presentation Tools	T.	The second second	Marie J	~	
Learning Management System	4.5	Group Discussion		Quality Education	
		Hands-on Practice		100	
		Debate	0/		
		Interactive Lecture			
		Brainstorming			





	Designers									
Professional Experts			gher Institution Experts	Internal Experts						
	1 <name>, <industry name="">, <email id=""></email></industry></name>	1	<name>, <institution name="">, <email id=""></email></institution></name>	1	Prof.(Dr) Revvathy Venkaraman, FSH faculty, SRMIST					
	2 <name>, <industry name="">, <email id=""></email></industry></name>	2	<name>, <institution name="">, <email id=""></email></institution></name>	2	<name>, SRMIST, <email id=""></email></name>					







Code PLCS24203T Titl e CONSTITUTIONAL AND LEGAL ASPECTS OF CYBER SPACE & INTERNET Cate gory Professional Core L T P C

Course Offering School of Law Department Courses Pre-requisite Courses	Co-requisite Progressive Courses	Data Book / Codes/Standa rds
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TD'-(1 0					
Title & Content	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Duration (hour)	18	18	18	18	18
SLO-1	Define and explain the concept of constitutionalism in the context of digital governance.	Explain the concept of human rights in relation to the internet and understand why they are essential in protecting individuals' freedom online.	Explain the principle of state sovereignty in the context of cyberspace, including the rights and duties it entails for states and other actors.	Explain the importance of applying constitutional principles consistently across different technologies, including cyberspace.	Distinguish cyber law from other areas of law, including its unique features and challenges.
SLO-2	Analyze the implications of digital sovereignty for modern states and their citizens.	Analyze the principles outlined in the IRPC charter that aims at ensuring human rights protection in the digital age.	Analyze the application of the non-intervention principle to cyber operations, identifying situations where intervention may be considered a violation of international law.	Learn about digital constitutionalism and describe its key components.	Explain the concept of territoriality and how it applies to cyberspace, identifying both its benefits and limitations in regulating online conduct.
SLO-3	Identify and evaluate the challenges posed by the hybridization of public and private functionaries in the digital age.	Evaluate the significance of the Charter of Human Rights and Principles for the Internet, 2023, and its impact on preserving internet rights.	Apply the due diligence standard to cyber incidents, evaluating whether a state has fulfilled its obligation to prevent harm caused by private actors within its jurisdiction.	Analyze the distinctions between public and private actors in regulating speech, expression, privacy, and other social values online.	Analyze the role of states in regulating cyberspace conduct, recognizing their sovereign authority while also acknowledging the limits of their power due to jurisdictional issues and the transnational nature of cyberspace.





SLO-4	Tutorial: Group Discussion on the Current Status of Freedom of Expression in India in cyberspace.	Tutorial: Seminar on the international human rights that are applicable to free speech in cyberspace.	Tutorial: Seminar on the Interplay between International Law and Cyberspace.	Tutorial: Seminar on how Facial Recognition Software can affect Human Rights	Tutorial: Seminar on the Changing Landscape of Cyber law, and the Issues and Challenges that lie ahead.
SLO-5	Practice: Choose any country and research its approach to digital sovereignty. Consider factors such as national security, economic growth, and civil liberties. Compare them with those of India.	Practice: Prepare a presentation highlighting any discrepancies between India's legal framework and the IRPC Charter of Human Rights and Principles for the Internet, 2023.	Practice: Problem Question relating to how a tech company headquartered in Country A but operates servers and data centers in various countries around the world, including Country B, is forced by the Government of Country B to hand over access to user data stored on these servers claiming that data has been stored without proper legal procedures or international agreements, thereby alleging violation of national laws.	Practice: Debate on two scenarios involving potential regulation of speech, expression, privacy, or other social values online. In the first scenario, the subject is a government entity; in the second scenario, the subject is a private company.	Practice: Choose any real-life problem scenario and analyze the substantial and procedural legal aspects in the implementation and enforcement of the law and access to justice.
SLO-6	Practice: Suppose the student is a policymaker tasked with regulating the use of facial recognition technology by law enforcement. Develop a simple framework for balancing the interests of public safety and individual privacy, taking into account the role of private companies that develop and sell facial recognition software.	Practice: Brief Write-up on the UN General Assembly Resolution on "The right to privacy in the digital age" (A/RES/68/167)	Practice: Brief Write-up of the Conflict between National Security and State Sovereignty in Cyberspace.	Practice: Analyze 3 cases where digital constitutionalism has been applied or discussed.	Practice: Analyze a problem scenario where the potential conflicts arising from differing national regulations and possible solutions





SLO-7	Understand and assess the ways in which traditional notions of rights and freedoms are being fragmented in the digital era.	Compare and contrast different theories related to cyberspace, including cyberspace exceptionalism theory, and assess their implications for internet governance and regulation.	Evaluate the responsibility of states for internationally wrongful acts committed in cyberspace, considering issues of attribution and countermeasures.	Apply the concept of "constitutional morality" to evaluate state actions affecting civil liberties in cyberspace.	Identify different legal frameworks that govern various aspects of cyberspace conduct, such as criminal law, tort law, intellectual property law, contract law, data protection law, and privacy law.
SLO-8	Critically examine instances of over-interference into individual rights and freedoms in the name of national security or public order.	Identify various forms of virtual realities and describe how these technologies can affect users' perceptions and experiences of the world.	Compare and contrast the role of international human rights law and international humanitarian law in regulating cyber operations during peacetime and wartime.	Evaluate the roles of public policy and private policy in shaping behavior and protecting rights in cyberspace.	Compare and contrast key provisions of major cyber-related legislation, including the Information Technology Act, 2000, the Bharatiya Nyaya (Second) Sanhita, 2023, the Digital Personal Data Protection (DPDP) Act, 2023, the Copyright Act, 1957, the Trade Marks Act, 1999, and others.
SLO-9	Articulate the constitutional boundaries of digital sovereignty and their impact on individual privacy and autonomy.	Recognize potential threats associated with internet usage such as physical harm, social issues, and addiction, and propose strategies for addressing them effectively.	Assess the legality of cyber threats and uses of force under international law, applying concepts such as necessity, proportionality, and self-defense.	Compare and contrast constitutional norms and private regulatory mechanisms for governing online activities.	Evaluate the effectiveness of specific rules and regulations governing electronic service delivery, intermediary liability, digital media ethics code, guidelines for cyber cafes, and incident response procedures in promoting security and protecting user rights.
SLO-10	Tutorial: How social media platforms can limit free expression through terms of service policies.	Tutorial: Delve into the world of Virtual Reality and examine how the Rights of persons may be affected in VR scenarios.	Tutorial: Seminar/Discussion on the Scope & Extent of Tortious Principles of State Responsibility in Cyberspace.	Tutorial: Seminar on Constitutional Morality vs. Public Morality in Cyberspace	Tutorial: Seminar on how cybercrimes are dealt with under the Bharatiya Nyaya (Second) Sanhita, 2023.





SLO-11	Practice: Identify three recent cases where governments have allegedly interfered excessively with individuals' rights and freedoms in the name of national security or public order.	Practice: Summarize the Article titled 'Regulating Cyberspace: An Examination of Three Theories' by Dr. Bernard Oluwafemi Jemilohun, International Journal of Business and Management Invention (IJBMI) ISSN (Online): 2319 – 8028, ISSN (Print): 2319 –	Practice: Analyze how international human rights law applies to a situation where a nation has implemented strict internet surveillance measures to monitor extremist activities online within its borders, with criticisms that these measures may infringe upon	Practice: Analyse a problem scenario involving tension between constitutional norms and private regulatory mechanisms.	Practice: Compare and contrast the interpretations of "cybercrime" or like terms under the Information Technology Act, 2000, the Bharatiya Nyaya (Second) Sanhita, 2023.
SLO-12	Practice: Essay on how interference in fundamental rights may be necessary for maintaining public order in cyberspace.	801X, www.ijbmi.org, Volume 8 Issue 05 Series. I, (2019). pp. 20-26. Practice: Analyze a problem case scenario of sexual harassment on any popular VR platform, and what legal measures may be available for pursuit of justice.	citizens' freedom of expression and privacy rights. Practice: Analyze an international humanitarian law scenario where one State decides to launch a cyberoperation targeting an enemy State's military communication systems, and causing collateral damage to civilian's computer systems.	Practice: Compare and contrast Government regulations & corporate rules and guidelines, for preventing hate speech.	Practice: Pick any two legislations studied in this unit, and assess whether there are any inconsistencies or overlapping of legal provisions.
SLO-13	Navigate the complex legal landscape surrounding freedom of speech and expression in the social media era.	Understand the importance of free speech and access to information as fundamental human rights, and evaluate ways to address challenges like internet censorship and cyberbullying.	Describe the mechanisms available for the peaceful settlement of cyber-related disputes, analyzing their strengths and weaknesses.	Describe the relationship between the rule of law and cyberspace, particularly as it relates to limiting governmental power and promoting accountability.	Apply legal principles to real-world scenarios involving cyber crimes, breaches of confidential information, infringement of intellectual property rights, violations of contracts, unauthorized access, and invasion of privacy.





SLO-14	Apply principles of reasonableness and proportionality when evaluating potential limits on free speech and other fundamental rights.	Examine international legal instruments that protect human rights, such as the Universal Declaration on Human Rights of 1948, and apply this knowledge to current debates surrounding internet governance and policy-making.	Identify the challenges posed by cyber activities to international peace and security, proposing strategies for addressing them through multilateral cooperation and collective security arrangements.	Assess the impact of discrimination, hate speech, and protests on individual rights and societal values in virtual spaces.	Synthesize legal arguments based on relevant statutes, cases, and ethical considerations when advising clients, drafting documents, negotiating agreements, or litigating disputes related to cyber activities.
SLO-15	Engage in thoughtful deliberation about how to balance state power with individual freedom in an increasingly interconnected world.	Critically reflect upon the complex relationship between technology and society, recognizing both the opportunities and risks presented by the rapidly evolving digital landscape.	Formulate recommendations for the development of international telecommunications law that takes into account the unique characteristics of cyberspace while ensuring respect for fundamental human rights and principles of international law.	Critique the substantive and procedural limitations on free speech in cyberspace, including legal precedents set by courts and contributions made by judges to develop a body of case law around these issues.	Reflect on emerging trends and future developments in cyber law, considering factors like technological innovation, globalization, evolving social norms, and changing regulatory approaches.
SLO-16	Tutorial: Seminar on Balancing State Power and Individual Freedom Through Policy Development.	Tutorial: Group Discussion on cyberbullying and its impact on victims' mental health.	Tutorial: Seminar on the Role of International Institutions like the Permanent Court of Arbitration (PCA), International Chamber of Commerce (ICC), or United Nations Commission on International Trade Law (UNCITRAL) in resolving international cyber-related disputes.	Tutorial: Seminar on the Necessity of Observing Principles of the Rule of Law such as transparency, consistency, and accountability in Cyberspace regulation.	Tutorial: Group Discussion on How Globalization has led to the Growth of Cyber Laws.





	Practice: A brief write-up	Practice: Brief Write-up on	Practice: Research any one	Practice: Assess how rule of	Practice: A hypothetical bank
	on how the principle of	Right to Access Internet as a	existing mechanism for the	law is affected in a situation	has been reported to be the
	proportionality is	Fundamental Right	peaceful resolution of cyber-	where the Government has	victim of a sophisticated
	necessary in the		related disputes, and analyze	attempted to regulate online	cyber attack resulting in the
	enforcement of cyber law.		its efficacy.	activity or limit access to	theft of lakhs of customers'
				information which criticizes	personal identification
			OFFICE AND ADDRESS OF THE PARTY	the Government.	information (PII). The bank
SLO-17			CHIEVE L		suspects that an international
SLO-17		12/11/2			hacking group is behind the
					attack. Analyze the potential
			LIFE THE WALL IN		criminal charges that could
			A CONTRACTOR OF THE CONTRACTOR		be brought against the
			Maria de la companya del companya de la companya de la companya del companya de la companya de l		perpetrators under Indian
		A supply			and international laws, as
					well as any jurisdictional
		A STATE OF THE PARTY OF THE PAR	T. W	790	issues that may arise.
	Practice: Identify 3 rece <mark>nt</mark>	Practice: Identify 3 recent	Practice: Advise a	Practice: An <mark>alyze</mark> the	Practice: Analyze the cyber
	instances of accounts being	instances of internet	Government agency by way	Strengths and Weaknesses of	legal aspects in the US case
	banned on Twitter (X) <mark>or</mark>	blockades and comment on	of a policy brief as to how it	using Virtual <mark>Spaces</mark> for	of Stardock Systems, Inc. v.
SLO-18	YouTube, and wheth <mark>er</mark>	whether they were justified.	can defend/justify a sensitive	Activism.	Paul Reiche III and Robert
	those grounds we <mark>re</mark>		data breach of a foreign		Frederick Ford, 2018 WL
	justified.		company.		7348858 (N.D. Cal. 2018);
		Market Land	111/5		what are the takeaways from
		Also Control			this case?
Assessment	Continuous L <mark>e</mark>	arning Assessment - 1		Continuous Learning Assessmen	t - 2
			Continu <mark>ous Learning Assessment</mark>	f - 3	





Re	esources						
1	Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd.	it 2 Edoardo Celeste, Digital Constitutionalism, Routledge, 2022.					
3	Kriangsak Kittichaisaree, Public International Law of Cyberspace, Springer Link, 2017.	4	Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd.				
5	Data Privacy Principles and Practice by Natraj Venkataramanan and Ashwin Shriram, CRC Press.	6	Cyber Laws: Intellectual Property & E-Commerce Security by Kumar K, Dominant Publishers.				
7	Information Security Governance, Guidance for Information Security Managers by W. KragBrothy, 1st Edition, Wiley Publication.	8	Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson, 13th November, 20xs01)				
9	Law on Information Technology by Ishita Chatterjee, 3rd Edition, 2022.	10	M Mueller, Will the Internet Fragment? Sovereignty, Globalization and Cyberspace (Polity Press 2017).				





Rationale (CLR) The purpose of learning this course is to:		De	epth		Atta	ainm	ent			Prog	gram	Lear	ning	Out	come	es (P	LO)		
CLR-1 Familiarize Students with key organizations like the IRPC, which advocate for human rights in the digital sphere. They will also study the Charter of Human Rights and Principles for the Internet (2023), gaining insight into how these fundamental protections translate into the virtual domain.	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2 Explore the diverse forms of virtual reality environments, including simulated worlds and augmented experiences, students will identify potential risks linked to each type. From physical dangers like cyberstalking to psychological consequences stemming from internet addiction, this module aims to raise awareness regarding the need for robust safeguards	F,	1																	
CLR-3 Focus specifically on issues related to freedom of expression, students will discuss problems associated with internet censorship, cyberbullying, and various forms of hate speech. Drawing from existing international treaties and conventions, they will investigate possible countermeasures aimed at promoting inclusivity and protecting vulnerable communities.				0															
CLR-4 Grapple with dilemmatic questions pertaining to striking a balance between individual liberties and broader communal goals. For instance, what are the acceptable limits on freedom of expression when faced with harmful rhetoric or incitement? How can states reconcile competing demands while upholding core human rights tenets?		À			ľ	y (%)	t (%)	agpa			80	ills	ls.	Nork		Su	?easoning	S	
CLR-5 Apply Legal Standards Across Jurisdictions: Lastly, students will compare and contrast approaches taken by different countries vis-à-vis implementing human rights standards in cyberspace. Using comparative analysis techniques, they will evaluate strengths and weaknesses inherent in various national strategies and propose improvements based on best practices gleaned globally.	e		nt		Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy	Self-directed Learning	and Ethical Reasoning	Leadership Qualities	Life Long Learning
Outcomes (CLO) At the end of this course, learners will be able to:	Conceive	Design	Implement	Operate	Level of	Expecte	Expecte	Discipli	Critical	Problem	Analytic	Researc	Сотти	Соореп	Digital I	Self-dire	Moral a	Leaders	Life Lon
CLO-1 Define and explain the concept of digital sovereignty and how it relates to constitutionalism in the digital age, and Evaluate the scope and extent of freedom of speech and expression in the social media era and understand the limitations of reasonable restrictions.		0		,	2	85	75	3	-	2	1	-	3	-	2	2	1	2	3
CLO-2 Explain the relationship between the Internet Rights and Principles Dynamic Coalition (IRPC), the Charter of Human Rights and Principles for the Internet, and internet rights, and the various threats associated with internet usage, including physical, social, and psychological risks.		0	0		2	85	75	3	2	1	2	2	3	-	1	2	1	2	3
CLO-3 Apply relevant legal frameworks to specific scenarios involving cyber attacks and analyze their legality, assessing the applicability of international human rights law in cyber space and its intersection with international humanitarian law.		0	0	0	3	85	75	3	1	3	1	3	3	-	1	1	2	1	3
CLO-4 Analyze the regulatory landscape surrounding speech, expression, privacy, and social values in both public and private domains, and Understand the interplay between rule of law, governance, and discrimination, and apply legal reasoning to resolve conflicts arising from competing interests.		0	0	0	3	85	75	3	3	2	3	3	3	-	2	3	3	3	3
CLO-5 Distinguish between different legal frameworks applicable to cyber space, including criminal law, tort law, IP law, contract law, data protection law, and privacy law, and Analyze the strengths and weaknesses of various legislative instruments used to regulate cyber space.		0	0		3	85	75	3	3	2	3	3	3	-	3	3	3	3	3





			Continuo	ous Learning Asse	essment (CLA 40)	% Weightage)				
Level of Thinking	Model (20			Assignment/ Seminar/Group discussion/ Presentation		n in seminar/ / Publication	curricular & F	n class room/co- Para curricular vities	- Final Exam	
	(20)	%)	(10	%)	(5)	%)	(5	5%)	(60)	%)
Remember	40%		40%	m 6 : 3 2 -	30%				40%	
Understand	40%	-	40 %		30 %	11		-	40 %	
Apply	40%		40%		40%	1/)			40%	
Analyze	40%	-	40%	LUX THE	40 %			-	40%	
Evaluate	200/		200/	35,000	200/				200/	
Create	20%	-	20%		30%			-	20%	
Total	100	%	100	1%	100) %	10	0 %	100	%

Technology		Pedagogy / Andragogy	1	Sustainable Development			
Simulations	0	Clarification/Pauses	0	Good Heal <mark>th & We</mark> ll Being	0		
Presentation Tools							
Learning Management System		Group Discussion	0	Quality Education	0		
	7	Hands-on Practice	0	0.00			
	1	Debate	0				
		Interactive Lecture	0				
		Brainstorming	0				
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Code	PLCS24204T Title II			NTERNATIONAL & NATIONAL PI	Categ	gory Prof	essional Core		
Course Offering School of Law Pre-requisit Courses			Co-requisite Courses	Progressive Courses		Data Book / Codes/Standar	ds		
				-0	III VEL				
Title & Content	l	Jnit 1		Unit 2	Unit 3	Unit	4	Unit 5	
Duration (hour)	18			18	18	18		18 Understand the role of national	
SLO-1	Understand the involved in internative internet, including ICANN, ITU, IGI CDT, and their responsibilities.	ationa cluding F, OE	I governa <mark>nce of</mark> I IETF, ISOC, CD, C <mark>IGI, a</mark> nd	Understand the key principles and concepts of governance o e-commerce resources including the management and allocation of Internet domains and other digital assets.	safeguarding privacy and personal data protection in the context of human rights	personal data protection in Convention Against the context of human rights Transnational Organized Crime			
SLO-2	Explain the importance of technical standards in ensuring interoperability and functionality of the internet, and describe the role of the IETF in developing these standards.			Analyze the significance of the Convention on the Use of Electronic Communications in International Commerce (2005) including its role in promoting trust and certainty in cross border electronic transactions.	and requirements of the major Council of Europe treaties related to data protection, including the		on Cybercrime nown as the ntion, such as jectives, and international investigations	Analyze the key provisions and impact of the Information Technology Act 2000 (IT Act 2000) and its amendments on cybercrime prevention and digital evidence collection in India.	





SLO-3	Analyze the relationship between the various bodies responsible for internet governance, such as IESG, IAB, and W3C, and understand how they collaborate to ensure a unified approach to internet architecture and design.	Compare and contrast the provisions of the UNCITRAL Model Law on Electronic Commerce (1996) with those of national laws governing ecommerce, identifying areas of convergence and divergence.	Analyze how the UN Human Rights instruments, such as the Universal Declaration of Human Rights and the International Covenant on Civil and Political Rights (1966), address issues related to privacy and data protection.	Compare and contrast the content of the Additional Protocol to the Convention on Cybercrime Concerning the Criminalization of Acts of a Racist or Xenophobic Nature Committed Through Computer Systems (2003) with that of the original convention.	Evaluate the significance of the IT Act's recognition of electronic records and digital signatures as legally valid forms of communication and authentication.
SLO-4	Tutorial: Group Discussion on how the above mentioned organizations ensure the smooth functioning of the internet.	Tutorial: Discuss how far the above mentioned international conventions have been incorporated into Indian Law.	Tutorial: Seminar on How Big data enables flow of personal data across frontiers by automatic processing, causing violation of privacy.	Tutorial: Seminar on Recent Global Cyber Attacks and how they Impact the Economy of Affected Nations	Tutorial: Discussion on the incidence of cybercrimes in India under the IT Act, 2000 as per the latest available National Crime Records Bureau (NCRB) Reports.
SLO-5	Practice: Article Summary - OECD (2012-11-16), "The Role of the 2002 Security Guidelines: Towards Cybersecurity for an Open and Interconnected Economy", OECD Digital Economy Papers, No. 209, OECD Publishing, Paris. http://dx.doi.org/10.1787/5k8zq930xr5j-en.	Practice: Brief Write-Up on the Salient Features of the UNCITRAL Model Law on Electronic Commerce (1996).	Practice: Analyze the nature of the right to obtain information stored as automated personal data file under the Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data, 1981.	Practice: Identify the key provisions and goals of the Convention Against Transnational Organized Crime (2000), paying particular attention to Articles 5-9, which deal with criminalization, liability of legal persons, jurisdiction, and mutual legal assistance.	Practice: Brief Write-Up on Assessing the Impact of the IT Act 2000 and Its Amendments on Cybercrime Prevention and Digital Evidence Collection
SLO-6	Practice: Read the Web Content Accessibility Guidelines (WCAG) 2.0 and examine what all guidelines are relevant in terms of law.	Practice: Write an Essay on the Legality of Electronic Data Messages in Contractual Formation from an Indian Context.	Practice: Perform an ILAC Analysis on the case Riley v. Student Housing Co (Ops) Ltd [2023] 2 WLUK 278 in the context of ascertaining the extent to which disclosure of personal data is permissible	Practice: Practice: Enumerate and summarize 5 judicial precedents in the past decade involving a charge of offences involving racist or xenophobic nature committed through computer systems.	Practice: Examine the changes brought about by the IT (Amendment) Act 2008, particularly those related to the admissibility of digital evidence in court proceedings under Section 63 of the Bharatiya Sakshya Adhiniyam, 2023.





SLO-7	Describe the process by which domain names are managed and assigned through ICANN and its bylaws, and explain the significance of the UDRP in resolving disputes over domain name ownership.	Evaluate the impact of the Model Law on Electronic Signatures (2001) on the legal recognition and admissibility of electronic signatures in different jurisdictions.	Compare and contrast the GDPR's approach to protecting individuals' personal data with that of other relevant legal frameworks, such as the Council of Europe treaties and the UN Human Rights instruments.	Evaluate the significance of the Second Additional Protocol to the Convention on Cybercrime on Enhanced Cooperation and Disclosure of Electronic Evidence (2022) in addressing challenges posed by modern information technologies to criminal justice systems.	Explain the importance of data protection and privacy in the context of India's digital economy, including an understanding of the principles underlying the Digital Personal Data Protection Act 2023.
SLO-8	Evaluate the impact of international telecommunications regulations on internet governance, with reference to the work of the ITU and other relevant organizations.	Apply the provisions of the Model Law on Electronic Transferable Records (2017) to specific scenarios involving the use of electronic records in commercial transactions.	Apply best practices and strategies for implementing effective data protection measures within organizations, taking into account applicable laws and regulations.	Identify the major principles and standards set forth in the Convention on the Rights of the Child (1989) and their implications for protecting children's rights online.	Compare and contrast the data protection requirements under the IT Act and the DPDPA 2023, identifying areas where further clarification or reform may be needed.
SLO-9	Compare and contrast different approaches to internet governance at the national level, taking into account issues related to jurisdiction, sovereignty, and human rights.	Explain the mandate and activities of the Working Group on Online Dispute Resolution within the context of global ecommerce regulation.	Evaluate potential risks and vulnerabilities associated with collecting, storing, processing, sharing, and transferring personal data across borders.	Examine the role of the Optional Protocol to the Convention on the Rights of the Child (2001) in preventing the sale of children, child prostitution, and child pornography through cyberspace.	Describe the scope and objectives of the Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021, including their implications for online intermediaries such as social media platforms and messaging apps.
SLO-10	Tutorial: Seminar on the Importance of ICANN with respect to Internet Protocol (IP) address space allocation, protocol parameter assignment, domain name system (DNS) management and root server system management.	Tutorial: Group Discussion on how digital signatures have ensured security and uniformity with respect to signing of documents online.	Tutorial: Debate on the topic "Free Data Flow is Paramount and must be Unhindered by Cybersecurity Concerns".	Tutorial: Seminar on the Principles and Standards Set Forth in the Convention on the Rights of the Child (2001).	Tutorial: Group Discussion or Debate on Whether the Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021 is Excessive Censorship which may potentially Gag social media.





SLO-11	Practice: Perform an ILAC analysis on possible real-world problem scenarios such as clash of domain names, etc.	Practice: Elucidate on the principles imbibed under the UNCITRAL Technical Notes on Online Dispute Resolution, 2017, with regards to facilitating fair and voluntary online dispute resolution.	Practice: Examine the Impact of GDPR on the protection of individuals' personal data.	Practice: Develop a tabletop exercise simulating a multinational law enforcement operation targeting an organized crime syndicate engaging in online activities related to the sale of children, child prostitution, or child pornography. Assign roles to participants, including law enforcement officers, prosecutors, policy makers, and representatives from NGOs	Practice: Identify 5 recent cases related to data breaches or misuse of personal information in India and analyze the impact it had on individuals and businesses involved in such breaches.
SLO-12	Practice: Comment on the working of the Uniform Domain-Name Dispute- Resolution Policy (UDRP).	Practice: Examine the issues concerning digital signatures in India.	Practice: Write a brief note on what are the most important principles for data protection.	working on child protection. Practice: Assign students different articles from the Convention on the Rights of the Child related to children's rights online (e.g., Articles 3, 13, 16, 17, 19). Instruct students to research real-world examples where these rights have been violated or upheld online.	Practice: Brief write-up on the key principles of the Digital Personal Data Protection Act 2023 (DPDPA), such as consent, purpose limitation, data minimization, etc.
SLO-13	Explore the role of civil society organizations like the Freedom Online Coalition in advocating for an open and accessible internet that respects human rights and promotes democratic values.	Assess the role of the World Intellectual Property Organization (WIPO) in protecting and enforcing intellectual property rights in the digital age.	Identify ethical considerations surrounding data collection, its storage, use, and dissemination, and develop appropriate guidelines for addressing them.	Summarize the core elements of the Council of Europe Convention on the Protection of Children against Sexual Exploitation and Sexual Abuse (2007) and assess its effectiveness in tackling sexual abuse committed via digital means.	Critically assess the balance between freedom of expression and content moderation under the Intermediary Guidelines and Ethics Code, particularly with respect to issues such as fake news and hate speech.





SLO-14	Examine the challenges posed by emerging technologies and applications, such as artificial intelligence and blockchain, to existing models of internet governance, and consider possible solutions to these challenges.	Compare and contrast the requirements of the Budapest Treaty on the International Recognition of the Deposit of Microorganisms for the Purposes of Patent Procedure with those of other international treaties governing patent protection.	Demonstrate an understanding of the role of oversight bodies, such as national data protection authorities and the European Data Protection Board, in enforcing compliance with data protection legislation.	Assess the value of the Tallinn Manual and primary law applicable to cyber conflicts in providing guidance for states when responding to malicious activities in cyberspace.	Identify the challenges and opportunities presented by emerging technologies such as artificial intelligence and blockchain in the Indian regulatory landscape, and consider how existing laws and frameworks might need to adapt.
SLO-15	Reflect on the broader implications of internet governance for global development, security, and social justice, and develop strategies for engaging with policymakers, industry leaders, and other stakeholders to promote a more inclusive and equitable digital future.	Critique the strengths and weaknesses of existing legal frameworks for regulating ecommerce and make recommendations for improvement based on current trends and developments in technology and business practices.	Develop strategies for resolving disputes related to data protection violations through diplomacy or alternative dispute resolution mechanisms.	Differentiate between the 1999 International Convention for the Suppression of the Financing of Terrorism and the 2005 International Convention for the Suppression of Acts of Nuclear Terrorism, particularly regarding their respective definitions of terrorist offenses and penalties.	Reflect on broader questions around the ethics of technological development and use in India, including issues of accessibility, affordability, and inclusivity, and the responsibilities of government, industry, and civil society actors in ensuring a just and equitable digital future.
SLO-16	Tutorial: Discussion on the Guiding Principles on Government Use of Surveillance Technologies (2023) by the Freedom Online Coalition	Tutorial: Seminar on how the two "Internet Treaties" administered by WIPO ensure that copyrights on the internet are protected.	Tutorial: Assessing Ethical Considerations and Regulatory Requirements for Storing and Maintaining Personal Data of Users	Tutorial: Seminar on the primary sources of international law relevant to cyber conflicts, such as treaties, customary international law, general principles, and judicial decisions.	Tutorial: Seminar on blockchain technology and whether it is actually making waves in a supposed 'unregulated' money market.
SLO-17	Practice: Project on the Role of Blockchain Management in Cybersecurity	Practice: Write a short note on how the Consumer Protection (E-Commerce) Rules, 2020 enhances cybersecurity on ecommerce platforms.	Practice: Critically Analyze the blog "Redefining Resolution in Data Disputes: Why Arbitration Holds the Key" by Julien Chaisse (2023).	Practice: Compare and contrast the primary sources of international law relevant to cyber conflicts, such as treaties, customary international law, general principles, and judicial decisions with the Tallinn Manual's recommendations.	Practice: Analyze the case of Shreya Singhal v. Union Of India AIR 2015 SC 1523, and highlight the observations of Altamas Kabir, CJ. with regards to the balance between freedom of expression and causing nuisance online.





	Practice: Explore the recent policy	Practice: Explain the working of	Practice: Perform an ILAC	Practice: Analyze recent cases	Practice: Pick a recent incident						
	changes that have aimed towards the	international depositary	analysis on possible real-	or studies related to child	where there has been a conflict						
	incorporation of artificial intelligence in	authorities under the Budapest	world problem scenarios	sexual abuse committed	between freedom of expression						
SLO-18	e-governance.	Treaty on the International	involving data leaks and	through digital means, such as	and content moderation under						
		Recognition of the Deposit of	privacy breaches.	online grooming, sextortion, or	the Intermediary Guidelines and						
		Microorga <mark>nisms.</mark>		distribution of child sexual	Ethics Code in India, relating to						
		- 1	Chicago	abuse material.	fake news and/or hate speech.						
Assessment	Continuous Learning	g As <mark>sessment - 1</mark>	Continuous Learning Assessment - 2								
		Conti	nuous Learning Assessment - 3								
		- 10	THE PARTY OF THE P	2							

	Resources		
1	Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd.	2	Information Warfare and Security by Dorothy F. Denning, Addison Wesley.
3	Carrie Morgan Whitcomb, An Historical Perspective of Digital Evidence: A Forensic Scientist's View, 1 International Journal of Digital Evidence (2002).	4	Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd.
5	Data Privacy Principles and Practice by Natraj Venkataramanan and Ashwin Shriram, CRC Press.	6	Cyber Laws: Intellectual Property & E-Commerce Security by Kumar K, Dominant Publishers.
7	Information Security Governance, Guidance for Information Security Managers by W. KragBrothy, 1st Edition, Wiley Publication.	8	Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson, 13th November, 2001)
ç	Auditing IT Infrastructures for Compliance by Martin Weiss, Michael G. Solomon, 2nd Edition, Jones Bartlett Learning.	11	Alexandra Perloff-Giles, Transnational Cyber Offenses: Overcoming Jurisdictional Challenges, The Yale Journal of International Law, 2018, available at https://bpb-us-w2.wpmucdn.com/campuspress.yale.edu/dist/8/1581/files/2018/02/191_Transnational-Cyber-Offenses-2i9mpg2.pdf .





Rationale (CLR) The purpose of learning this course is to:		D	epth		Att	ainn	nent		Pro	ogra	m L	earn	ning (Out	com	es (F	PLO))
CLR-1	Introduce students to the various stakeholders involved in governing the internet at the international level. It covers technical standards, domain name management, and the role of different organizations such as IETF, ISOC, ICANN, ITU, IGF, OECD, and others. By exploring these topics, students will gain insight into how decisions are made regarding the infrastructure and architecture of the internet.	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8 9	9 1	1 1	1 2
CLR-2	Delve into the specific legal frameworks that regulate e-commerce activities. Topics include conventions, model laws, working groups, and intellectual property protections related to online transactions. These concepts are crucial for understanding the rules that guide business practices across borders.																		
CLR-3	Examine international human rights instruments and EU regulations aimed at protecting individuals' personal information and their right to privacy. Studying these documents provides insights into best practices and emerging trends in data protection.																	ח	
CLR-4	Explore the various international conventions, treaties, and protocols designed to combat cyber threats and protect vulnerable populations from harm. Examining these agreements highlights the importance of cross-border cooperation and collaboration in addressing transnational challenges.		_	Ŀ			ency (%)	nent (%)	appaly	ם המסום המסום		ning	i Skills	Skills	m Work		Iming Peaconin	Hes	ב
CLR-5	Focus specifically on India's approach to regulating information technology and e-commerce through legislation like the IT Act 2000, its amendments, and other relevant guidelines. Comparing Indian law with international norms allows students to understand similarities and differences between jurisdictions while considering potential implications for businesses operating within those boundaries.	O'iiooao O	Conceive	Implement	Operate	Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Kno.	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication 8	Cooperation/Team Work	Digital Literacy	Self-directed Learning Moral and Ethical Beaconing	I eadership Qualities	life I ond I earning
Outcomes	(CLO) At the end of this course, learners will be able to:			E							\vdash			+				+	
CLO-1	Analyze the role of international organizations such as IETF, ISOC, ICANN, ITU, WIPO, and others in governing the internet, e-commerce resources, privacy and data protection, and combating cybercrime, cyber warfare, and cyberterrorism.	0			-	2	85	75	3	-	-	1	-	3	-	2	2 1	2	3
CLO-2	Evaluate the significance of various legal instruments including treaties, conventions, model laws, protocols, regulations, and rules at the national and international level related to internet governance, e-commerce resources, privacy and data protection, and combating cybercrime, cyber warfare, and cyberterrorism.			0	-	2	85	75	3	3	1	2	2	3	2	1 2	2 1	2	3
CLO-3	Develop evidence-based arguments regarding current issues and debates surrounding internet governance, e-commerce resources, privacy and data protection, and combating cybercrime, cyber warfare, and cyberterrorism using relevant theories, concepts, and frameworks from law, technology, policy, and ethics.			0	0	3	85	75	3	1	3	1	3	3	2	1	1 2	? 1	3
CLO-4	Communicate effectively both orally and in writing about complex topics related to internet governance, e-commerce resources, privacy and data protection, and combating cybercrime, cyber warfare, and cyberterrorism.	0		0	0	3	85	75	3	3	2	3	3	3	-	2	3 3	3	3
CLO-5	Apply critical thinking skills to assess the challenges and opportunities presented by globalization and digitization in relation to internet governance, e-commerce resources, privacy and data protection, and combating cybercrime, cyber warfare, and cyberterrorism.			0	0	3	85	75	3	3	2	3	3	3	-	3	3 3	3	3





			Continu	ous Learning Asse	<mark>ssment (CLA 4</mark> 0% W	eightage)				
Level of Thinking	Model Exam (20%)		Assignment/ S discussion/ I	Seminar/Group Presentation	Participation in seminar/ Conference/ Publication		icipation in class room/co- rricular & Para curricular activities	Final Exam		
	(20)	%)	(10	l%)	(5%)		(5%)	(60	%)	
Remember	40%		40%	26 122 -	30%			40%	İ	
Understand	40 /0	-	40 /0	_	30 /0	1	-	40 /0	l	
Apply	40%		40%		40%	9 -		40%	i	
Analyze	40%	-	40 %	145711	40 70	/	-	40%	_	
Evaluate	20%		200/	5.00	30%			20%	 	
Create	20%	- 1	20%	160	30%	1	-	20%	İ	
Total	100	%	100) %	100 %		100 %	100) %	

Strategies							
Technology		Pedagogy / Andragogy		Sustainable Development			
Simulations		Clarification/Pauses		Good Health & Well Being			
Presentation Tools		West State of the second					
Learning Management System	1	Group Discussion		Quality Education			
		Hands-on Practice					
		Debate					
		Interactive Lecture					
		Brainstorming					
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D	Designers										
Professional Experts			gher Institution Experts	Internal Experts							
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Code	PLCS24301T	Title	LEGAL RESEARCH METHODOLOGY	Cate gory	Core Foundation	L T P C 3 1 2 5
Cour				Data D	lo alc I	

Course Offering Department	School of Law	Prerequisite Courses	Co-requisite Courses	Progressive Courses	Data Book / Codes/Standa rds
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Title & Content	LEGAL EDUCATION	TEACHING AND EXAMINATION	RESEARCH	RESEARCH PROCESSES	ANALYSIS AND REPORT WRITING
Duratio n (hour)	18	18	18	18	18
SLO-1	Comprehend the historical evolution of legal education from ancient times to the present day, including key milestones.	Comprehend various methods of teaching used in legal education, including their objectives, principles, and application in different contexts.	Comprehend the meaning and purpose of research in the field of law.	Comprehend the importance of conducting a comprehensive review of existing literature.	Comprehend the principles of statistical analysis and its application to legal research.
SLO-2	Examine the primary objectives of legal education, including preparing students for the legal profession, promoting critical thinking and analytical skills, fostering ethical values and professionalism, and advancing justice and the rule of law.	Examine the concept of problem method of teaching as an active learning approach, that involves presenting students with reallife legal problems to solve.	Examine and articulate the objectives of legal research.	Examine the formulation of research design such as experimental, correlation, descriptive, and qualitative designs that aligns with their research objectives, questions, and methodology.	Explore the interpretation of collected data.
SLO-3	Analyze the key provisions and standards outlined in the Part IV of the Bar Council of India Regulations 2008, pertaining to legal education and training requirements for aspiring lawyers.	Comprehend the concept of seminar method of teaching, which involves students conducting research, presenting findings, and engaging in scholarly discourse on specific legal topics.	Analyze the different types of research methodologies employed in legal and research, including qualitative, quantitative, mixed-methods, doctrinal, empirical, and comparative research.	Examine various methods of data collection used in legal research, including surveys, interviews, observations, document analysis, and archival research.	Explore and interpret the results of statistical analysis and evaluate their implications for legal theory, practice, and policymaking.





SLO-4	Tutorial: Conduct an in depth analysis and discussion on the evolution and objectives of legal education.	Tutorial: Conduct an in-depth analysis and discussion on the strengths, limitations, and suitability of each teaching method for enhancing student learning and engagement.	Tutorial: Conduct an in depth discussion on different types of research methodologies employed in legal research.	Tutorial: Conduct an indepth discussion on review of literature and research design	Tutorial: Conduct an in-depth discussion on statistical analysis.
SLO-5	Practice: Discuss the factors shaping the evolution of legal education, such as societal needs, technological advancements, globalization, and legal reforms.	Practice: Discuss how the problem method promotes critical thinking, problemsolving skills, and practical application of legal principles.	Practice: Discuss the role of research in generating new knowledge, addressing questions, and solving problems in the legal field and society at large.	Practice: Engage in hands-on exercise by reviewing the existing literature and identifying the research gap.	Practice: Discuss statistical analysis including data collection, organization, summarization, and interpretation.
SLO-6	Practice: Examine the effectiveness of legal education in developing practical legal skills and gaining real-world experience.	Practice: Discuss how the seminar method promotes independent research, oral presentation skills, and critical analysis of legal literature.	Practice: Discuss the characteristics, strengths, and limitations of each research type and their suitability for different research objectives and contexts.	Practice: Engage in hands-on exercise by formulating research designs for identified legal issues.	Practice: Discuss the various methods of interpretation of data collection.
SLO-7	Comprehend the role of the University Grants Commission (UGC) in regulating and overseeing higher education, including legal education, in India.	Comprehend the concept of discussion method which involves interactive exchanges among students and between students and instructors to explore legal concepts, cases, and issues.	Comprehend the social science research methods and their application to legal studies, including approaches such as surveys, interviews, case studies, content analysis, and ethnography.	Examine the quantitative methods of data collection	Comprehend the concept of hypothesis testing and its role in scientific inquiry and empirical research.
SLO-8	Examine the role of the state government, judiciary, legal profession, and other institutions in shaping legal education policies, standards, and practices.	Analyze the concept of socratic method which is characterized by a dialogue between instructor and students that challenges assumptions, promotes critical thinking, and encourages students to articulate and defend their viewpoints.	Examine distinct characteristics of legal research, including its focus on legal norms, principles, doctrines, and institutions.	Examine the qualitative methods of data collection.	Examine how to write research reports that effectively communicate the findings of their research projects.





SLO-9	Analyze the impact of UGC, state government and other institutions on legal education .	Comprehend the concept of Case law method of teaching, which involves studying legal cases in-depth to understand legal principles, doctrines, and precedents.	Gain an understanding of socio legal research which integrates legal analysis with insights from social sciences to examine the impact of law on society and vice versa.	Analyze sampling techniques used in legal research, including probability and non-probability sampling methods.	Explore the principles of clarity, coherence, and accuracy in report writing.
SLO-10	Tutorial: Conduct in-depth discussions on the role of UGC and other institutions in promoting legal education.	Tutorial: Conduct in-depth discussions on different methods of teaching.	Tutorial:Conduct in-depth discussions on socio legal research .	Tutorial – Conduct in-depth discussions on the strengths, limitations, and ethical considerations associated with each data collection method and select the most suitable approach based on their research objectives and constraints.	Tutorial – Conduct in-depth discussions on each hypothesis testing and select the most appropriate test based on their research design and objectives.
SLO-11	Practice: Discuss the contributions and responsibilities of these entities in promoting quality legal education, access to justice, and professional development	Practice: Discuss how the discussion method fosters collaboration, communication skills, and deeper understanding of legal principles through peer learning.	Practice: Discuss how social science research methods can be used to investigate legal phenomena, understand human behavior, and inform legal policymaking.	Practice: Engage in hands-on exercise by collecting data for identified legal issues by employing qualitative data collection	Practice: Engage in hands-on exercise by testing the formulated hypotheses
SLO-12	Practice: Discuss the gaps and challenges in promoting quality legal education including outdated curriculum ,ethical and professionalism deficits.	Practice: Discuss the effectiveness of the Socratic method in fostering intellectual curiosity, analytical skills, and confidence in legal reasoning.	Practice: Discuss how socio- legal research methods can be used to explore complex legal issues, understand legal processes, and evaluate the effectiveness of legal reforms.	Practice:.Engage in hands-on exercise by collecting data for identified legal issues by employing qualitative data collection	Practice: Engage in hands-on exercise by writing research reports.
SLO-13	Comprehend the recommendations on legal education made by the National Knowledge Commission (NKC), a highlevel advisory body to the Government of India.	Comprehend various methods of examination and evaluation used in legal education, including written exams, essays, presentations, and practical assessments.	Comprehend the process of identifying research gaps, formulating research problems based on theoretical and practical considerations.	Comprehend the various sources of legal material including statutes, subordinate legislation, notifications, policy statements. decisional material, foreign Judgments, legal databases.	Comprehend and analyze the common statistical and experimental tests used in legal research, including the chi square test, T test ,Anova tests





SLO-14	Analyze the findings and recommendations of the 184th Report of the Law Commission of India (LCI) on legal education reforms.	Explore extension activities such as clinical programs, legal aid clinics, legal literacy initiatives, and participation in law reforms.	Comprehend the concept of hypothesis in research, including its role in formulating testable propositions and guiding empirical investigations.	Analyze the importance of the reports of various commissions and committees in legal research.	Examine the ethical principles and standards governing research conduct, including honesty, integrity, objectivity, and respect for human subjects.
SLO-15	Analyze and examine the recommendations of various committees and commissions tasked with reviewing and reforming legal education in India.	Comprehend various law reforms related to legal education.	Comprehend the formulation of clear, specific, research questions, that align with the objectives and scope of the research project.	Identify and analyze the challenges involved in the research process.	Identify the ethical considerations in legal research, such as informed consent, confidentiality, conflicts of interest, and data integrity.
SLO-16	Tutorial: Conduct an in depth discussion on the Law Commission of India's recommendations and their potential impact on legal education policy, curriculum development, and institutional governance.	Tutorial: Conduct an in depth discussion on the various assessment and evaluation methods suited for the legal field.	Tutorial: Conduct an in-depth discussion on identifying research gaps, formulating hypothesis and framing research questions	Tutorial: Conduct an in depth discussion on primary legal sources to understand principles, doctrines, and precedents relevant to their research topic.	Tutorial: Conduct in-depth discussions on the structure and components of research reports, including the introduction, literature review, methodology, results, discussion, and conclusion sections.
SLO-17	Practice: Discuss the implementation challenges of the recommendations of the Law Commission of India and their implications for legal education stakeholders.	Practice: Discuss the principles of fair assessment, feedback mechanisms, and strategies for promoting academic integrity and rigor.	Practice: Engage in hands-on exercise by framing the hypothesis for any legal issues	Practice: Discuss various stages of research including the review of literature, research design.	Practice: Discuss various ethical principles associated with legal research.
SLO-18	Practice: Discuss the implementation challenges of National Knowledge Commission recommendations.	Practice: Discuss the role of extension activities in bridging the gap between theory and practice, promoting access to justice, and fostering social responsibility among law students.	Practice: Engage in hands-on exercise by framing the research question for any legal issues	Practice: Discuss the various stages of research including data collection methods, sampling techniques, and sources of legal and decisional material.	Practice: Engage in hands-on exercise by conducting the research related to the identified legal area.





Resources											
1 WilliamJ. Goode and Paul K. Hatt, Methods in Social Research (2017)	2	Adam Podgorecki, Law and Society, Routledge & Kagal Paul, London, 1974									
3 Prof.P. IshwaraBhat, Idea and Methods of Legal Research (2019)	4	Anwarul Yaqin, Legal Research and Writing Methods (2008)									
5 S.K. Verma, M. Afzal Wani, Legal Research and Methodology, Indian Law Institute (2010)	,										

Rationale (CLR)	The purpose of learning this course is to:	Depth Attainm ent Program Learning C						Out	Outcomes (PLO)											
CLR-1	To acquire a foundational understanding of the evolution of legal education, including the objectives outlined by the Bar Council of India (BCI) Regulations of 2008, as well as the roles of various institutions such as the University Grants Commission (UGC), the State, and other relevant bodies, also, the 184th report of National Knowledge Commission (NKC) on Legal Education, offer insights into the challenges faced by the legal education system and proposed reforms to address them.	N	1	2	3	4	1	2	3	1	2	3	4	5	6 7	7 8	9	10	11	12
CLR-2	Equip participants with various methods of teaching, including the Problem Method, Discussion Method, Seminar Method, Socratic Method, and Case Method, as well as techniques for examination and evaluation. Additionally, participants will explore extension activities such as clinical work, legal aid, legal literacy, and involvement in law reforms.					1111														
CLR-3	Provide participants with a comprehensive understanding of the concept of research, its objectives, and various types, including social science research, legal research, and socio-legal research. Additionally, participants will be equipped with knowledge and skills for identifying research problems, framing hypotheses, and formulating research questions.		1															<u></u>		
CLR-4	Equip participants with comprehensive knowledge and practical proficiency in several key areas essential for conducting high-quality research including Review of Literature, Formulation of Research Design,hypothesis,methodology, data collection.		3	\$			2	Proficiency (%)	nment (%)	opolino	owiedge	E DE	soning	ed Skills	n Skills		earnina	cal Reasonir	alities	ning
CLR-5	Equip participants with advanced proficiency in statistical and legal analysis of data, interpretation and implication of data, hypothesis testing, report writing, statistical and experimental tests in research, research ethics, and integrity, to empower them for dynamic legal research.		Conceive	Design	Implement	Operate		Expected Profi	Expected Attainment (%)	No cilaicoi C	Critical Thinking	Problem Solvir	Analytical Rea	Research-relat	Communicatio	Digital Literacy	Self-directed L	Moral and Ethical Reasoning	Leadership Qualities	Life Long Learning





Outcomes (CLO)	At the end of this course, learners will be able to:																		
CLO-1	Gain a foundational understanding of the evolution, objectives, regulations, and stakeholders involved in legal education in India. Develop a comprehensive understanding of legal education policies, standards, and reforms in India, enabling them to contribute effectively to the advancement of legal education and the legal profession.	п	0		-	2	85	75	3	-	-	1	-	3	-	2 2	2 1	1 2	3
CLO-2	Gain comprehensive understanding of effective teaching methods, assessment practices, and extension activities in legal education, also enhance learning, engagement, and professional development in the field of law.		0	0	-	2	85	75	3	2	1	2	2	3	-	1 2	2 1	1 2	3
CLO-3	Enhance their research skills and capabilities, enabling them to conduct rigorous and impactful research in their respective fields of study or professional practice.	0	0	0	0	3	85	75	3	1	3	1	3	3	-	1	1 2	2 1	3
CLO-4	Critically evaluate existing literature, design and execute research projects, and contribute to the advancement of knowledge in the legal field. Navigate the complexities of research design, data collection, and analysis, as well as effectively utilize legal materials and other relevant sources to produce high-quality research outputs.	п	0	0	0	3	85	75	3	3	2	3	3	3	-	2 3	3 3	3 3	3
CLO-5	Develop advanced research skills and competencies necessary for conducting rigorous and ethically sound legal research. Equipped to analyze legal data, test research hypotheses, communicate research findings, and contribute to evidence-based decision-making in the legal profession and academia.		0	0	0	3	85	7 5	3	3	2	3	3	3	-	3 3	3 3	3 3	3

			Contir	nuous Learning A	ssessment (CLA 40%	Weightage)				
Level of Thinking	Model (20	Exam %)	Assignment/ S discussion/ I	eminar/Group Presentation	Participation in ser Public	minar/ Conference/ cation	curricular & F	class room/co- Para curricular vities	Fir Exa	
	(20	1%)	(10	%)	(5)	%)	(5	%)	(60	%)
Remember	40%	_	40%	-	30%			-	40%	_
Understand	,.				****					
Apply	40%		40%		40%				40%	
Analyze	40 /0	_	40 /0		40 /0	-		_	40 /0	_
Evaluate	200/		200/		200/				200/	
Create	20%	-	20%	-	30%	-		-	20%	
Total	100) %	100) %	100) %	100	0 %	100	1 %





Strategies					
Technology		Pedagogy / Andragogy		Sustainable Development	
Simulations	0	Clarification/Pauses	0	Quality Education	0
Presentation Tools	0	Case studies	0	Decent Work and Economic Growth	0
Learning Management System	0	Group Discussion		Reduced Inequalities	0
		Group task			
		Debate	0		
		Interactive Lecture	0		

Designers					
Professional Experts	Н	igher Institution Experts	Internal Experts		
1	1	DR. REDDIVARI REVATHI (Former HOD, Department of constitutional law, in School of Excellence in Law)	1	Prof.(Dr.)Sree Sudha, Dean, School of Law, SRMIST	
2	2	DR. MANJULA (Assistant Professor, School of Excellence in Law)	2		





Code	PLCS24302T	Title	CYBER FORENS	SICS & EVIDENCIAL ISSUES	Category	ofessional Core				
Course Offering Departmen		Pre-requ Cours	·			-				
Title & Content	Unit 1		Unit 2	Unit 3	Unit 4	Unit 5				
Duration (hour)	18		18	18	18	18				
SLO-1	Explain the full concepts and important forensic science in investigations are proceedings.	n criminal	Analyze and classify different computing systems using systembased categorization techniques.	Define and classify different types of digital data (non-volatile and volatile) used in forensic analysis, and explain their significance in an investigation.	Explain the importance of reliability in the evidential aspect of cyber forensics and how it applies to the collection, preservation, and analysis of digital evidence.	in the context of electronic evidence and understand it				
SLO-2	physical evidence,	ssification, and me scene	Identify common Windows Systems products and their associated artifacts for digital forensic investigations.	Identify various methods and techniques to recover deleted or corrupted electronic data, including analyzing slack space, unallocated clusters, and using file carving tools.	Identify best practices for recovering and preserving digital evidence to ensure its integrity and admissibility in court.	Apply sections 5, 45A, 46, 47A, and 51 of the Indian Evidence Act to determine the relevance of electronic evidence in legal proceedings.				
SLO-3	Describe Locard's Principle and its collecting and physical evidence.		Explain the purpose and use of various Linux system artifacts in a digital forensic examination.	Apply best practices for extracting data from a variety of sources such as hard drives, mobile devices, and cloud storage services while maintaining the integrity of the original source.	Analyze digital evidence using appropriate tools and techniques while maintaining a thorough documentation trail.	Understand the principles governing admissibility of electronic evidence under various sections of the Indian Evidence Act including sections 3, 65A, 65B, 67A, 73A, 85A, 85B, 85C, 88A, and 90A.				
SLO-4	Tutorial: Seminar Strengths and against Locard's Principle.	Criticisms	Tutorial: Seminar on commonly used computer architectures such as x86, ARM, MIPS, PowerPC, and SPARC.	Tutorial: Seminar on the best practices involved in the extraction of lost data from hard drives, mobile devices, and cloud storage services while maintaining the integrity of the original source.	Tutorial: Seminar on common cybersecurity lapses and how to tackle them.	Tutorial: Seminar on the changes brought about by the Bharatiya Sakshya Adhiniyam, 2023 with respect to admissibility of electronic evidence.				





SLO-5	Practice: Visit any Court having jurisdiction near SRM's locality when there is a posting for any criminal trial involving the examination of a forensic expert. Write a Brief Report on your observations.	Practice: Learn to identify an OS by examining file system structures, installed software packages, or running processes; identifying these OSs without relying solely on obvious clues such as file names containing "Windows" or "Linux."	Practice: Write a brief summary on the different methods and techniques for recovering deleted or corrupted electronic data, including analyzing slack space, unallocated clusters, and using file carving tools.	Practice: Choose a scenario where digital evidence needs to be recovered (e.g., a hacked email account, a compromised server, or a deleted file), and students must outline the steps they would take to recover and preserve the evidence according to best practices.	Practice: Perform an ILAC Analysis on the case of Anvar P.V. v. P.K. Basheer & Ors (2014) 10 SCC 473, and emphasize on the importance of veracity and reliability of electronic evidence.
SLO-6	Practice: Analyze how the Locard's Exchange Principle was applied in the sensational 'Weimar Children Murder' case.	Practice: Recover the internet history data from a provided Windows or Linux system, using built-in tools like Microsoft's Internet Explorer History, Google Chrome history database, Mozilla Firefox places.sqlite, or third-party solutions if necessary, and examining timestamps, visited URLs, downloaded files, cookies, cache, browsing habits, and other potentially useful information related to user activity.	Practice: Conduct a hands-on examination of a sample computer system, and Identify the different types of digital data based on their characteristics as either non-volatile or volatile data.	Practice: Compare the legal requirements for presenting digital evidence in courts in India and any other jurisdiction.	Practice: Critically analyze provisions under Indian evidence law governing presumption of electronic messages, electronic records, digital signatures, proof as to contents of electronic documents.
SLO-7	Understand the differences between tangible and intangible forms of evidence, with a focus on the unique challenges associated with identifying, preserving, and examining cyber evidence.	Compare and contrast the features and components of Mac OS X systems and artifacts relevant to digital forensics.	Utilize forensic imaging and duplication tools to create exact copies of digital media for further analysis without altering the original data.	Evaluate the validity of forensic tools used in the examination of digital evidence, taking into account any relevant standards or guidelines established by organizations such as NIST and SWGDE.	Analyze legal standards determining admissibility of electronic evidence in courts, specifically focusing on the Daubert Test and the Kumho Decision.
SLO-8	Analyze the application of cyber forensics in detecting, preventing, and prosecuting digital crimes, such as hacking, phishing, and identity theft.	Evaluate the importance of analyzing web browser data as part of a comprehensive digital investigation.	Investigate internet and networking activities by analyzing logs, metadata, and other artifacts left behind by users and applications.	Understand the role of NIST and SWGDE in establishing standards and guidelines for digital forensics, including the validation of forensic tools.	Evaluate the role of authentication as a condition for admissibility of electronic evidence in Indian courts and identify methods to ensure authenticity.





SLO-9	Investigate the basics of computer hardware, software, and networks, including an overview of common components like processors, motherboards, hard disks, and operating systems.	Investigate computer networks and analyze network traffic using principles of computer network forensics.	Trace IP addresses and email headers to identify the originator, recipient, and path taken during communication.	Compare and contrast the two main approaches to forensic tool validation: Tool Oriented Approach and Functional Oriented Approach.	Distinguish between primary and secondary evidence and apply relevant provisions of the Indian Evidence Act related to admissibility of secondary evidence in case of unavailability or difficulty in producing primary evidence.
SLO-10	Tutorial: Group Discussion on Evidentiary Issues in Cyberspace Transactions.	Tutorial: Seminar on Essential Digital Forensic Artifacts such as registry keys, system logs, email archives, memory dumps, and internet history.	Tutorial: Expert seminar on the use of forensic imaging and duplication tools.	Tutorial: Expert Talk on the Roles of NIST (National Institute of Standards and Technology) and SWGDE (Scientific Working Group on Digital Evidence) in establishing standards and guidelines for digital forensics.	Tutorial: Seminar on practical applications primary and secondary evidence in cyberspace.
SLO-11	Practice: Students must create two lists, one for tangible cyber evidence and another for intangible cyber evidence. Label them List A (Tangible) and List B (Intangible). For each list, provide at least five examples of items that could be considered evidence in a cybercrime investigation.	Practice: Choose two popular web browsers (e.g., Google Chrome and Mozilla Firefox), install both on a system, and browse various websites, perform searches, and utilize bookmarks; and test different scenarios including private/incognito mode usage; performing an analysis of stored data created by each browser, focusing on aspects such as cookies and history records.	Practice: Create an exact copy of a USB drive using forensic imaging and duplication tools, using Write blocker hardware (e.g., Tableau T8u), a Forensic image creation software (e.g., FTK Imager or Guymager).	Practice: Write a one-page summary outlining the roles of NIST and SWGDE in digital forensics, focusing on their contributions to setting standards and guidelines for forensic tool validation.	Practice: Critically analyze the way the Daubert Standard laid down in the case of Daubert v. Merrell Dow Pharmaceuticals Inc. 509 U.S. 579 (1993), supplanted the Frye Standard laid down in the case of Frye v. United States, 293 F. 1013 (D.C. Cir. 1923).





SLO-12	Practice: Problem scenario analysis where an employee is accused of stealing sensitive data from their employer. Analyze what types of tangible and intangible evidence could be used in this case. Discuss the potential challenges faced while collecting, analyzing, and presenting these pieces of evidence in court such as chain-of-custody, privacy concerns, legal restrictions, etc.	Practice: Brief Write-Up comparing and contrasting Features and Components of Mac OS X Systems and Artifacts Relevant to Digital Forensics.	Practice: Write a brief write-up on the importance of tracing IP addresses and email headers to identify the originator, pathway of communication, and the recipient.	Practice: Students may be provided access to two different forensic tools, Tool A and Tool B, both having the capability to perform similar functions but developed by different developers. Students must compare and contrast these tools' capabilities and validate them according to NIST and SWGDE guidelines.	Practice: Brief Write-Up of the role of CCTV footage as secondary evidence.
SLO-13	Compare and contrast different types of networking systems, such as Personal Area Networks (PAN), Local Area Networks (LAN), Metropolitan Area Networks (MAN), and Wide Area Networks (WAN).	Differentiate between different types of networks (e.g., LAN, WAN), network classes (A, B, C), and subnet masks used for addressing and routing in modern internetworks.	Conduct comprehensive web investigation and analysis, including search engine queries, social media activity, and website visit history.	Apply the concept of chain of custody to digital evidence and explain its significance in ensuring the reliability and admissibility of said evidence.	Assess the challenges faced by judges and lawyers while dealing with electronic evidence in court proceedings and propose solutions to overcome these issues.
SLO-14	Evaluate the impact of cloud computing on forensic investigations, including best practices for data acquisition, analysis, and presentation in court.	Apply knowledge of network hardware devices such as routers, switches, and firewalls to conduct network forensic examinations.	Analyze instant messaging conversations, file transfers, and other forms of online communication to gather intelligence and build cases against suspects.	Critique the strengths and weaknesses of various methods for maintaining chain of custody in digital forensics investigations.	Compare and contrast the approaches towards admitting electronic evidence in different jurisdictions such as the US and India and evaluate their implications.





SLO-15	Apply theoretical knowledge to practical scenarios by conducting simulated forensic analyses using industrystandard tools and techniques.	Examine and mitigate network threats and vulnerabilities through an understanding of IP security architectures and web security concepts.	Examine file sharing networks, peer-to-peer protocols, and cloud computing environments to locate and collect evidence related to illegal activities such as copyright infringement, intellectual property theft, and child pornography. Additionally, students will learn how to preserve digital evidence securely throughout the investigation process to ensure its admissibility in court.	Synthesize the concepts of reliability, evidence recovery, preservation, analysis, validity of forensic tools, and chain of custody to develop a comprehensive approach to digital forensics that prioritizes accuracy and credibility.	Develop best practices for handling electronic evidence during investigation, preservation, and presentation stages to ensure compliance with legal requirements and improve the chances of acceptance in court.
SLO-16	Tutorial: Simulation using industry-standard tools like Autopsy, EnCase, or FTK, demonstrating to the students a simulated forensic analysis involving cloud-stored data.	Tutorial: Group Discussion on threat mitigation strategies such as intrusion detection systems (IDS) and intrusion prevention systems (IPS) etc.	Tutorial: Seminar on the state of safe Cloud Computing in the 21st Century.	Tutorial: Expert Talk on the concepts of reliability, evidence recovery, preservation, analysis, validity of forensic tools, and chain of custody.	Tutorial: Seminar on the need for training to judges and lawyers on the technical aspects of electronic evidence so they can better assess its reliability.
SLO-17	Practice: Research each network type studied in this unit - PAN, LAN, MAN, and WAN - and create a table or chart that outlines their key characteristics such as size, speed, security, cost, topology, protocols used, etc.	Practice: Classify a set of given IP addresses into categories A, B, and C, by converting them into binary format.	Practice: Perform a thorough web investigation and analyze the results to gain insights into any famous internet celebrity to assess their online presence and behavior.	Practice: Create a chain of custody log for a hypothetical digital device (e.g., a smartphone or a laptop) involved in a criminal investigation. Document each step of the process from seizure to storage to analysis, including the date, time, personnel involved, actions taken, and any changes made to the device or its contents.	Practice: Write a report on how digital signatures, timestamps, and other metadata can be used to establish authenticity of electronic records.
SLO-18	Practice: Brief report discussing potential challenges in preserving admissibility of cloud-based evidence in legal proceedings.	Practice: Investigate a reported case of potential unauthorized SSH access to a server within an organization's internal network; looking for signs of anomalous behavior such as multiple failed login attempts, unusual geographical origin of connection requests, unexpected timing patterns, etc.	Practice: Write a Brief on the essentials to be followed for preserving and maintaining the admissibility of electronic evidence in cybercrimes.	Practice: Critiquing the various methods for maintaining chain of custody in digital forensics investigations, such as Physical Seizure & Storage, Hashing Algorithms, Imaging Techniques, Access Controls & Auditing, and Encryption & Secure Transmission.	Practice: Brief write-up on how electronically stored information digital forensic investigation





Assessment	Continuous Learning Assessment - 1	Continuous Learning Assessment - 2
		Continuous Learning Assessment - 3

F	esources						
1	Carrie Morgan Whitcomb, An Historical Perspective of Digital Evidence: A Forensic Scientist's View,	2	Brian Carrier, Defining Digital Forensic Examination and Analysis Tools Using				
	1 International Journal of Digital Evidence (2002). Abstraction Layers, 1 International Journal of Digital Evider						
3	Larry Daniel and Lars Daniel, Digital Forensics for Legal Professionals (Elsevier 2012).	4	Cory Altheide and Harlan Carvey, Digital Forensics with Open Source Tools (Elsevier 2011).				
	Josiah Dykstra, Forensic Collection of Electronic Evidence from Infrastructure: As A Service Cloud		Laura Millar, Preserving Electronic Records (International Records				
5	Computing, 19 Rich J L & Tech 1.	6	Management Trust, 2009).				
7	Brian Carrier, Defining Digital Forensic Examination and Analysis Tools Using Abstraction Layers, 1 International Journal of Digital Evidence, 3 (2003).	8	Yinghua Guo et al, Validation and Verification of Computer Forensic Software Tools–Searching Function, 6 Digital Investigation, p. 513 (2009).				
9	André Årnes, Digital Forensics, Wiley, 2017.	10	Dr. Nilakshi Jain, Dr. Dhanan <mark>jay R. K</mark> albande, Digital Forensic, Wiley, 2017.				





Rationale	e (CLR)	The purpose of learning this course is to:		De	pth		Att	ainn	nent		Pro	gra	ım L	.ear	ning	g Ou	tcon	nes (PLC))
CLR-1	Principle,	and the fundamental concepts and principles of forensic science, including Locard's Exchange and their application in criminal investigation and adjudication. Students should also become ith the differences between tangible and intangible forms of evidence, particularly in the context of insics.	1	2	3	4	1	2	3	1	2	3	4	5	6	7 8	3 9	10	11	12
CLR-2 Gain knowledge about various system-based categories, such as Windows, Linux, and Mac OS X, and their respective artifacts. This includes an understanding of web browsers, computer network forensics, and the monitoring of computer network activities. Additionally, students will learn about emerging trends in forensic analysis, such as cloud forensics and mobile device analysis.																				
CLR-3 Learn about the tools and techniques used in digital forensics, including the recovery and examination of both non-volatile and volatile data. Students will gain hands-on experience in using forensic imaging, data extraction, and file carving tools to analyze various types of digital evidence.																				
CLR-4	admissibili admissibili	an understanding of the evidential aspects of cyber forensics, including the reliability and ity of digital evidence in court proceedings. Students will learn about legal standards determining ity, such as the Daubert Test and the Kumho Decision, as well as the role of national and organizations like NIST and SWGDE in validating forensic tools.				1														
CLR-5	results, an	oretical knowledge to practical scenarios by conducting simulated forensic analyses, interpreting and drawing conclusions based on findings, so that students will be able to develop critical thinking essary to evaluate complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively to diverse in the complex digital evidence and communicate findings effectively evidence and communicate findings effectively evidence and communicate findings effectively evidence and communicate findings effectively evidence and communicate findings effectively evidence and communicate evidence evidence and communicate evidence evide			ţ		Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy Self-directed Learning	Moral and Ethical Reasoning	Leadership Qualities	Life Long Learning
			Conceive	L L	Implement	Operate	ol of T	ected	ected	inlinar	Sal T	lem S	ytical	earch-	imuni	peration		al and	Jershi	Long
Outcome	s (CLO)	At the end of this course, learners will be able to:	S	Design	<u>m</u>	Ope	Leve	EXP	Exp	Sign		Pro	Ana	Res	Con	Cooper		Mor	Leac	Ęį
CLO-1		nd the fundamental concepts a <mark>nd princ</mark> iples of forensic science, including Locard's Exchange Principle, applications in both physical and cybercrime investigations.	0	0		-	2	85	75	3	-	-	1	-	3	- 2	2 2	1	2	3
CLO-2		nd classify various forms of evidenc <mark>e, includ</mark> ing tangible and intangible evidence, and understand the e of proper collection, recovery, and prese <mark>rvation tech</mark> niques for each type.	0	0	0	-	2	85	75	3	2	1	2	2	3	- 1	2	1	2	3
CLO-3		nd interpret digital evidence found on comp <mark>uters, mobile devi</mark> ces, and networks using appropriate tools odologies, while adhering to ethical and legal guidelines.		0	0	0	3	85	75	3	1	3	1	3	3	- 1	1 1	2	1	3
CLO-4		the reliability and admissibility of digital evidence acco <mark>rding to national and internation</mark> al legal , with an emphasis on the role of NIST and SWGDE in validating forensic tools.		0	0	0	3	85	75	3	3	2	3	3	3	- 2	2 3	3	3	3
CLO-5		ical thinking skills to evaluate the strengths and limitations of different approaches to cyberforensic drawing upon knowledge of relevant laws, regulations, and best practices.			0	0	3	85	75	3	3	2	3	3	3	- 3	3	3	3	3





			Continu	uous Learning Asse	essment (CLA 409	% Weightage)				
Level of Thinking	Model (20			Seminar/Group Presentation	Participation Conference/		curricular & F	class room/co- Para curricular vities	Fin Exa	
	(20	%)	(1	0%)	(5°	%)	(5	5%)	(60)	%)
Remember	40%		40%	-11.	30%				40%	
Understand	40 /0	-	40 /0	- 7 -	30 /0	17.		-	40 /0	
Apply	40%		40%		40%	1/1			40%	
Analyze	40%	-	40%	The same of the sa	40%	1		-	40%	
Evaluate	200/		200/	11000	200/	1			200/	
Create	20%	-	20%	100	30%			-	20%	•
Total	100	%	10	00 %	100) %	10	0 %	100	%

Strategies								
Technology		Pedagogy / Andragogy	у	Sustainable Development				
Simulations	0	Clarification/Pauses	0	Good Health & Well Being	0			
Presentation Tools	0	Established States						
Learning Management System		Group Discussion	0	Quality Educ <mark>ation</mark>	0			
		Hands-on Practice	0	~				
		Debate	0					
		Interactive Lecture	0					
		Brainstorming	0	7				
		SCHOOL						
		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WATERNE					
			11-11					

Designers						
Professional Experts		Higher Institution Experts			ernal Experts	
	1 <name>, <industry name="">, <email id=""></email></industry></name>	1	<name>, <institution name="">, <email id=""></email></institution></name>	1	Dr. Ishita charterjee, Professor, School of law, SRMIST	
	2 <name>, <industry name="">, <email id=""></email></industry></name>	2	<name>, <institution name="">, <email id=""></email></institution></name>	2	<name>, SRMIST, <email id=""></email></name>	





Code	PLCS24303T Title	PROCEDURAL I	SSUES OF CYBER LAW	Category	fessional Core L T P C 3 1 2 5
Course Off Departm	SCHOOL OF LAW		requisite ourses	Progressive Courses (Data Book / Codes/Standards
Title & Content	Jurisdictional issues	Issues connected with legal assistance and special investigative techniques	Issues based on extradition	Issues relating to the prosecution of transnational cybercrimes	Issues related to cyber forensics
Duration (hour)	18	18	18	18	18
SLO-1		. Understand the concept of mutual legal assistance in the context of transnational crimes	Nations Convention agains	st by prosecuting states in dealing with transnational cybercrimes.	d Understand the key provisions of data protection laws such as GDPR and CCPA.
SLO-2	transnational crimes.	multilateral treaties relevant to mutual legal assistance	extradition - Exploring the checklist of extradition requirements	e evidence gathering across borders in transnational cybercrime cases.	adhering to data privacy regulations.
SLO-3	Apply international law principles such as territoriality, nationality, and protective principle to transnational crimes.		and practices		Analyze the importance of legal compliance in maintaining the admissibility of digital evidence in court.
SLO-4	Tutorial Discuss case studies illustrating different jurisdictional principles in practice.			e discussions o <mark>n the im</mark> portance o	Tutorial :Discuss strategies for handling and storing digital evidence while respecting individuals' privacy rights.
SLO-5	exercises to explore the		identifying cases where dua	al pres <mark>entation on the initiatives of CSCAP and similar organizations in combating cybercrimes.</mark>	
SLO-6	Practice:Analyze real-life scenarios involving subjective and objective territoriality	types of special investigative	Practice:Hands-on exercises or understanding and applying the rule of speciality in extradition	e contributions of the Digita	Practice:Simulate scenarios to practice ensuring the integrity of digital evidence in alignment with





	proactive, and disruptive cases - Role-playing scenarios to addressing cybercrime issues. legal requirements. approaches of speciality
SLO-7	Examine the concepts of active Demonstrate skills in crime scene and passive nationality in investigation techniques determining jurisdiction. Analysis of the autdedereaut Identify additional challenges faced prosecuting transnational to-end encryption on cyber cybercrimes, such as lack of international criminal law specialized prosecutors.
SLO-8	Explore the theory of rejecting Understand the significance and Examination of the extradition of the lack of Explore innovative decryption cross-border evidence on techniques and tools to overcome implications on current extradition prosecutions.
SLO-9	Evaluate general and specific Explore border control measures Demonstrate Role of bilateral and personal jurisdiction, ubiquity and their role in preventing jurisdiction, effect test, and sliding transnational crimes scale test. Demonstrate Role of bilateral and explore the importance of multilateral treaties in extradition awareness among first responders in handling cybercrime incidents. environments such as encrypted extradition mechanisms
SLO-10	TutorialEngage in group TutorialEvaluate the legal and discussions to analyze ethical implications of electronic jurisdictional challenges posed by emerging technologies. TutorialEngage in group TutorialEvaluate the legal and TutorialGuided walkthrough of the Tutorial -: Discussion on the Tutorial - Review case studies shortage of cyber forensic experts highlighting successful decryption and its effects on cybercrime methods used in cyber forensic investigations.
SLO-11	Practice:Simulate court Practice:the methodologies and proceedings to understand the challenges associated with jurisdictional implications of the Indian Penal Code and Information Technology Act. Practice:Simulate scenarios to Practice:Simulation exercises on the challenges associated with apply extradition laws and procedures - Group discussions on legal strategies in extradition cases Practice:Simulation exercises on the challenges faced by access encrypted data in investigators in cybercrime cases simulated forensic scenarios.
SLO-12	Practice:Explore jurisdictional issues through case studies based on the United Nations Convention against Transnational Organized Crimes. Practice:Develop proficiency in Practice: - Analysis of human Practice:Assessment of Practice:Investigate methods for educational initiatives aimed at maintaining evidentiary value while enhancing capabilities in analyzing digital evidence from cybercrime investigation and because investigation and prosecution.
SLO-13	Assess the jurisdictional Understand the principles and Overview of the Revised Manual Analyze the complexity and cost Identify challenges associated with competence of courts under the procedures of real-time collection on the Model Treaty on Extradition factors involved in prosecuting IoT devices in forensic analysis. Technology Act. Indian Penal Code and Information of communication traffic data issued by UNODC transnational cybercrimes. Understanding its implications on extradition practices
SLO-14	Investigate jurisdictional Discuss the legal frameworks and Examination of the Model Law on Assess the significance of private Discuss the complexities of challenges posed by international safeguards concerning interception Extradition by the United Nations sector participation in combating investigating cybercrimes involving





	treaties such as the United of content data Nations Convention against Transnational Organized Crimes.	Office on Drugs and Crime - cybercrimes. Comparative analysis with existing extradition laws	cloud computing.
SLO-15	combating transnational organized limitations of mutual legal crimes at the international level. assistance in the context of	d Discussion on emerging trends understand the importance of and challenges in extradition law collaboration between public and f - Reviewing recent case studies private sectors in addressing and their impact on extradition cybercrime challenges.	between forensic experts and
SLO-16	and case studies related to knowledge to practical scenario	Tutorial:Application exercises Tutorial:Case studies and practical based on the Model Treaty and exercises on applying international Model Law on Extradition - legal frameworks in cybercrime Group discussions on adapting model laws to specific legal contexts	retrieving and analyzing data from
SLO-17	apply jurisdictional principles in in conducting practical exercise resolving complex transnational related to transnational crim	e Practice:Case analysis sessions practice:: Role-playing exercises focusing on legal strategies in extradition cases - Role-playing hurdles in cybercrime exercises to simulate legal proceedings in extradition hearings	I into cybercrimes involving cloud
SLO-18		s proceedings based on real-life recommendations for improving al scenarios - Evaluation and international cooper <mark>ation a</mark> nd lega	forensic scenario to address chain

Assessment Continuous Learning Assessment - 1	Continuous Learning Assessment - 2	
Continuous Learning Assessment - 3		





Resour	ces																			
11	Kevin O'Shea et al., Cyber Crime Investigations: Bridging the Gaps Between, Security Professionals, Law Enforcement, and Prosecutors, Syngress Publishing, Inc. 2007 available at https://wcu.edu.az/uploads/files/Cyber%20Crime%20Investigations%20(%20PDFDrive%20).pdf	12		Darrel C. Menthe, Jurisdiction in Cyberspace: A Theory of International Spaces, 1998 available at https://core.ac.uk/download/pdf/232684908.pdf																
13	Alexandra Perloff-Giles, Transnational Cyber Offenses: Overcoming Jurisdictional Challenges, The Yale Journal of International Law, 2018, available at https://bpb-us-w2.wpmucdn.com/campuspress.yale.edu/dist/8/1581/files/2018/02/191_Transnational-Cyber-Offenses-2i9mpg2.pdf	14		Cyber Security Unde Legal Perspectives b Pvt. Ltd.																
15	Marinella Marmo, Nerida Chazal, Transnational Crime and Criminal Justice, Sage, 2016.	16	1)		tya [mbrid		di , I	, Extradition In International Law And Practice (1966)												
17	Neil Boister, An Introduction to Transnational Criminal Law, OUP	18			1															
19		20			1															
Ration	ale (CLR) The purpose of learning this course is to:		epth			Atta	ainm	ent	Pro	gram	Lea	rning	g Ou	tcom	es (P	LO)				
	The course on jurisdictional principles and their application in transnational crimes offers learners a comprehen- understanding of legal authority beyond territorial boundaries. Through an exploration of legislative, executive, judicial jurisdiction, participants gain insight into the multifaceted nature of legal frameworks in addressing or border criminal activities. By applying international law principles such as territoriality, nationality, and the prote- principle, learners analyze and resolve jurisdictional conflicts effectively, equipping them with the skills to navi complex legal scenarios involving multiple jurisdictions.	and coss- ctive	1 2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2	Understanding mutual legal assistance in transnational crimes enables investigators to navigate legal framework treaties, and UN conventions effectively. It fosters cooperation among nations, essential for cross-border crimestigations.		ì			5	P													
	Understanding UNTOC and its role in extradition is crucial for grasping the international legal framework aga transnational organized crime. Learners will analyze extradition limitations, principles, and practices, including criminality and the rule of speciality. Through case studies and exercises, they'll identify applicable extradition requirements, strategies, and human rights considerations. Additionally, they'll explore bilateral treaties and example the Revised Manual and Model Law on Extradition, preparing them to navigate complex extradition can effectively.	dual lition mine		2	3															
	Understanding the challenges faced by prosecuting states in dealing with transnational cybercrimes involved recognizing complexities in evidence gathering across borders and analyzing issues when cybercrimes a multiple nations. Tutorials and case studies emphasize the importance of international cooperation in cyberc prosecution, while practices involve researching initiatives like CSCAP and investigating the contribution organizations like the Digital Opportunity Taskforce of G8.	ffect rime s of	V	12.			ncy (%)	ent (%)	ledge			ing	Skills	kills	n Work		ning	Reasoning	ies	D
	Understanding data protection laws like GDPR and CCPA is crucial for cyber forensic investigators to navigate requirements. Challenges arise in adhering to these regulations while collecting and handling digital evide Ensuring legal compliance maintains the admissibility of evidence in court, highlighting the significance understanding and adhering to privacy laws.	nce.	Conceive	Implement	Operate	Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research-related Skills	Communication Skills	Cooperation/Team Work	Digital Literacy	Self-directed Learning	Moral and Ethical Reasoning	Leadership Qualities	Life Long Learning





Outco	nes (CLO) At the end of this course, learners will be able to:																		\Box	
CLO-1	Upon completion of the course, learners emerge with a deep understanding of jurisdictional complexities and their practical implications. Armed with this knowledge, they can engage in informed discussions and decision-making processes concerning jurisdictional issues in transnational crime cases. Through simulated exercises, mock trials, and research projects, participants apply theoretical knowledge to practical scenarios, honing their ability to assess the jurisdictional competence of courts and legal frameworks in contemporary transnational crime scenarios. Ultimately, graduates contribute to global efforts to combat transnational organized crimes by understanding the role of jurisdiction at the international level and its significance for effective law enforcement and legal cooperation.	V	✓		-	2	85	75	3	3	-	1	-	3	-	2	2	1	2	3
	Upon completing the course, learners will adeptly analyze bilateral treaties and UNTOC's role, enhancing their ability to facilitate international cooperation. They will comprehend investigative techniques crucial for transnational crime probes, including crime scene investigation and joint operations. Additionally, they'll evaluate border control measures, ethical implications of surveillance, and proficiency in undercover operations, contributing to comprehensive crime prevention strategies. Practical exercises reinforce theoretical knowledge, ensuring competence in real-world scenarios while reflecting on ethical and legal considerations.	~	✓	√		2	85	75	3	-	1	2	2	3	1	1	2	1	2	3
CLO-3	participants will adeptly apply extradition laws, procedures, and model treaties, ensuring a comprehensive understanding of extradition practices.	✓	✓	1	✓	3	85	75	3	1	3	1	3	3	1	1	1	2	1	3
CLO-4	learners will proficiently identify challenges in prosecuting transnational cybercrimes, assess the impact of cross-border evidence limitations, and understand the significance of awareness among first responders. They will also be capable of evaluating the complexity and cost factors in cybercrime prosecution, emphasizing private sector participation and collaboration between public and private sectors. Practical exercises, including role-playing and recommendation development, enhance their abilities in overcoming jurisdictional hurdles and improving international cooperation mechanisms.	·	✓	✓	✓	3	85	75	3	3	2	3	3	2	1	2	3	3	3	3
CLO-5	learners will possess a comprehensive understanding of data privacy regulations and their implications for cyber forensic investigations. They'll be adept at evaluating challenges faced by investigators, ensuring proper collection techniques, and maintaining evidence integrity. Additionally, learners will develop skills in encryption, decryption, and preserving data integrity in secure environments. They'll be equipped to handle complexities in IoT and cloud forensic analysis and collaborate effectively with cloud service providers to address jurisdictional challenges and maintain chain of custody.	✓	✓	✓	✓	3	85	75	3	3	2	3	3	3	-	3	3	3	3	3





Strategies			
Technology	Pedagogy / Andragogy	Sustainable Development	
Simulations	✓ Clarification/Pauses	✓ Good Health & Well Being	✓
Presentation Tools			
Learning Management System	Group Discussion	✓ Quality Education	✓
	Hands-on Practice	✓	
	Debate	✓	
	Interactive Lecture	✓	
	Brainstorming	✓	
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Designers		
Professional Experts	Higher Institution Experts	Internal Experts
1 <name>, <industry name="">, <email id=""></email></industry></name>	1 <name>, <institution name="">, <email id=""></email></institution></name>	1 Dr SumanaVedanth.Associate professor, School of Law, SRMIST, <email id=""></email>
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Code	PLCS24304T	Title	NATIONAL DEFENCE, TELEC	OMMUNICATION AND CYBER SEC	URITY	Category	Professional Elective L T P C Courses (E) 3 1 2 5
Course Off Departme		Law Pre-red Cour		p-requisite F Courses	Progressive Courses	(Data Book / Codes/Standards
Title & Content	National Defend	•	Organisations and cyber security India	Telecommunications	E Telecommu Broadcasti		Legal Framework
Duration (hour)	18		18	18	18	3	18
SLO-1	Defence, and Natio	onal Interest importance of the context of y - Iden <mark>tify</mark> of informat <mark>ion</mark>	security in India through a analysis of national defense are security issues.		framework go telecommunication - Identify key po Telegraph Act. - Explore the signi	overning the sector. rovisions of the ficance of unified perments in	
SLO-2		ities - Dis <mark>cuss</mark> f cyber warf <mark>are,</mark>	<mark>in</mark> enhancing cyber securi	te Identify and analyze threats to the ty telecommunications sector.	Examine the vulne in telecommunicat - Analyze cyber t	erabilities presen ion networks. threats and risks lecommunication - Discuss o enhance in the	t Interpret the Information Technology (Information Security Practices and Procedures for Protected System) Rules, 2018. Identify the key components of Preasonable security practices and Procedures.
SLO-3	Analyze the role of shaping national se			ne	Define critical Infrastructure and Explore the role Critical Informatic Protection Centre. Understand	information its importance. of the Nationa on Infrastructure strategies fo	n Define and classify sensitive personal data or information (SPDI) as per the SPDI Rules, 2011. And Explain the role and functions of the Indian Computer Emergency Response Team (CERT-In) under the 2013 rules.
SLO-4	Tutorial- Exami examples of cybe their implications security and Discu	er attacks and for national	knowledge to practical scenarion through problem-solving exercises	al Tutorial - Case studies and group os discussions on real-world s. telecommunications vulnerabilities and their implications.	Tutorial - Revi requirements	outlined in	Il Tutorial - Conduct a legal compliance assessment for an IT organization based on SPDI Rules and Information Technology Act.





	mitigating cyber threats in various contexts
SLO-5	Practical- Conduct hands-on exercises to identify and assess to iden
SLO-6	Practical-Simulate propaganda Practical- Evaluate the campaigns and analyze their effectiveness of cyber security identifying and securing against impact on national security strategies through case studies combat misinformation and propaganda online Practice:Hands-on experience in dentifying and securing against identifying and securing against internal threats and lot telecommunication networks. - Conduct risk assessments to identify potential vulnerabilities. - Develop strategies to mitigate cybersecurity risks in telecommunication systems.
SLO-7	- Discuss the global reach and Understand the role of the Ministry rapid dissemination of cyber of Home Affairs in addressing threats - Examine international laws, regulations, and treaties related to cyber security - Discuss the global reach and Understand the role of the Ministry Evaluate regulatory frameworks Understand the securities issues Explore the Information faced by the telecommunication sector Explore the role and functions of the Indian Response Team in addressing security threats Discuss strategies for responding to security incidents in telecommunication networks.
SLO-8	Define cyber terrorism and its implications for national security - Study denial of service (DoS) Council of India (DSCI) in attacks and their potential impact on critical infrastructure Analyze the initiatives and Understand the concept of Analyze the scope and objectives Analyze the ethical considerations of DPDP in protecting personal outlined in the Digital Media Ethics data. Code.Evaluate the impact of the guidelines on digital media platforms.
SLO-9	Analyze the role of government critically evaluate the role of the agencies and regulators in ensuring cyber security - Explore best practices for securing government systems and data Analyze the role of government critically evaluate the role of the Analyze state-level infrastructure infr
SLO-10	Tutorial- Review existing laws and Tutorial -Apply concepts learned in Tutorial-Discuss regulatory TutorialIdentify compliance TutorialDevise a strategy for regulations governing cyber lectures to real-world scenarios.





	security at national and international levels	cloud computing.	telecommunication companies	Guidelines for Intermediaries and Digital Media Ethics Code.
SLO-11	Practical- Conduct risk Practical - Implement encryption assessments to identify potential techniques and strategies. cyber threats and their impact on national security		of response strategies in mitigating	
SLO-12	Practice responding to simulated Practical- Perform vulnerability cyber security incidents, including assessments and risk analysis. breaches and attacks		improvement in data protection	Practice: - Perform a risk assessment for an intermediary platform and propose mitigation strategies based on National Cyber Security Policy.
SLO-13			Define data security and its importance in telecommunication Identify common threats to data security in telecommunication networks.	mechanisms established by the Information Technology Act.and
SLO-14		Examine emerging threats such as LAPUS\$ and LightBasin.	governing data security in telecommunication Analyze	Explore avenues for international cooperation in cybersecurity enforcement. And Analyze the significance of bilateral and multilateral agreements in combating cyber threats.
SLO-15	challenges in the field of cyber CyberShikshaa initiative and its		telecommunication Discuss	information technology regulation and cybersecurity.And Formulate future strategies for enhancing
SLO-16	Tutorial- Collaboratively develop cyber security policies and discussions and problem-solving guidelines for government and public sector organizations	focusing on threat detection and	ongoing risk assessment and	Tutorial:Simulate a cybersecurity crisis scenario and develop a crisis management plan in alignment with national cybersecurity strategies.





SLO-17	Practical -Gain hands-on Practical- Implement inciden	Practice:: Simulation exercises or	n Practice:Conduct mock	Practice:Conduct an incident
	experience with ethical hacking response strategies.	detecting and responding to	compliance audits to assess	response simulation exercise to
	techniques and penetration testing	advanced cyber threats in telecom	adherence to data security	test the effectiveness of response
	tools	networks.	regulations.	plans and coordination with CERT-
				ln.
SLO-18	Practical- Present research Practical- Develop and implement	t Practice:Group exercises or	n Practice:Identify challenges and	Practice:Analyze existing IT
	projects exploring jurisdictional strategies for enhancing cybe	r collaborative threat intelligence	<mark>e considerati</mark> ons in implementing	policies and regulations, and
	issues in contemporary security resilience.	sharing and response strategies.	secure communication protocols in	propose recommendations for
	transnational crime scenarios.		legal scenario through case	enhancing their effectiveness and
			studies.	relevance in the evolving digital
		and the second s		landscape
Accesemen	t Continuous Learning Assessment - 1	Continuous Learning Assessm	mont 2	

Assessment	Continuous Learning Assessment - 1	Continuous Learning Assessment - 2
	Continuous Learning Assessment - 3	

Resources			
1	Michael Krausz, The True cost of Information Security Breaches and Cybercrime, 2013, IT Governances Ltd., ISBN:1849284954, ISBN:9781849284950.	7	Michael Krausz, Managing Information Security Breaches, IT Governances Ltd., 2010, ISBN:1849280940, ISBN:9781849280945.
2	Jeremy N.Smith, Breaking and Entering, Eamon Dolan, 2019, ISBN-10:0544903218, ISBN-13:978-0544903210.	8	Michelle Moore, Cyber Security Breaches and Issues Surrounding Online Threat Protection, IGI Global Publications, USA, 2017, ISBN:9781522519416, ISBN:9781522519423 (e-book).
3	Craeme Payne, Equifax Cyber Security Breach 2017, Cybersecurity Executive Advisors LLC, 2019.	9	Scott N.Schober, Cyber Security is Everybody's Business, 2019.
4	William D.Bryant, International Conflict and CyberSpace Superiority, Routledge Publications (2016), ISBN:978-1-138-91891-7(hbk),ISBN:978-1-315-68818-3 (ebk).	10	•KarstenFriis, Conflict in Cyber Space, Routledge Publications (2018).
5	MetodiHadji-Janev, Civil Society and National Security in the Era of Cyber Warfare, IGI Global Publications, Frist Edison (2015), ISBN-13: 978-1466687936, ISBN-10: 1466687932.	11	George Christou, Cybersecurity in the European Union, Palgrave Macmillan (2016), ISBN: 9781137400512.
6	Dr.Kamlesh Bajaj, Cyber Security, Wiley India Publications (2011), ISBN:978-81-265-2179-1, ISBN:978-81-265-8050-7 (ebk).	12	Patrick McCarty, PhD., The Troubled Space of Cyberspace with Senior VP at AnchorFree, insightcommunicationsglobal Publications (2015), ASIN: B014WZWOH0.





Rational	(CLR) The purpose of learning this course is to:		Dep	oth		t	Attain	men	Pro	ogra	m Le	earr	ning	Out	com	es (l	PLO)
CLR-1	Learning about national security, defense, and interests entails understanding the vital role of cybersecurity in safeguarding a nation's assets, both physical and digital. It involves recognizing vulnerabilities in information technology and the internet, crucial for protecting critical infrastructure and sensitive data.		1	2	3 4		1 2	2 3	1	2 3	3 4	5	6 7	8	9 1	0 1	11 12
CLR-2	Understanding the landscape of cyber security in India involves analyzing national defense and security issues, evaluating the role of E-Governance, and understanding the structure and functions of key national organizations. This knowledge aids in comprehending the intricacies of India's cyber security framework.																
CLR-3	Understanding the vulnerabilities within the telecommunications sector is crucial for professionals aiming to safeguard networks and infrastructure. By delving into the reasons behind these vulnerabilities, individuals can gain insight into potential weaknesses and develop effective strategies to mitigate risks. This course provides a comprehensive understanding of threats such as DDoS attacks and cloud vulnerabilities, enabling participants to identify and analyze potential risks proactively. Through case studies and group discussions, learners engage with real-world scenarios, fostering a deeper understanding of the implications of telecommunications vulnerabilities on both individuals and organizations.	1															
CLR-4	Understanding the regulatory framework of the telecommunication sector is crucial for professionals in the field to navigate legal obligations and ensure compliance. By delving into key provisions of acts like the Telegraph Act and grasping the significance of unified license agreements, individuals can operate within legal boundaries and optimize business strategies. Moreover, learning about vulnerabilities in telecommunication networks and cybersecurity measures enhances preparedness against cyber threats, safeguarding both infrastructure and consumer data. Through this course, professionals gain insights into critical information infrastructure protection and strategies to mitigate risks, fostering resilience in an increasingly interconnected digital landscape.															б	
CLR-5	The purpose of studying the course on legal frameworks in information technology is to equip individuals with a comprehensive understanding of the legal landscape governing IT. By delving into the Information Technology Act of 2000, learners grasp its objectives and scope, enabling them to interpret the Information Technology (Information Security Practices and Procedures for Protected System) Rules of 2018. Moreover, the course elucidates the classification of sensitive personal data as per the SPDI Rules of 2011 and elucidates the functions of CERT-In. Ultimately, it empowers learners to conduct legal compliance assessments and draft robust security policies for IT organizations.	2	Conceive	Design	Implement Operate		Level of Thinking	Expected Attainment (%)	Disciplinary Knowledge	Critical Thinking	Problem Solving Analytical Reasoning	Research-related Skills	Communication Skills	Digital Literacy	ect.	Moral and Ethical Reasoning	Leadership Qualities Life Long Learning





Outcome	es (CLO) At the end of this course, learners will be able to:																\prod
CLO-1	learners will be equipped to analyze cyber threats comprehensively, including cyber warfare tactics and the influence of social media on national security. They will gain practical skills through hands-on exercises, such as identifying vulnerabilities and simulating propaganda campaigns. Additionally, learners will explore global cyber threats, cyber terrorism, and governmental roles in cybersecurity, enhancing their ability to contribute to effective cybersecurity strategies and practices.	/	,	-	2	85	75	3	-	- 1	· -	3	-	2 2	2 1	2	3
CLO-2	learners will be equipped to apply theoretical knowledge to practical scenarios, implement data security measures, and evaluate the effectiveness of cyber security strategies. They will also understand the roles of various national organizations and initiatives such as the Ministry of Home Affairs, Data Security Council of India, and National Cyber Security Co-ordination Centre, contributing to their ability to address cyber security challenges effectively. Additionally, learners will gain hands-on experience in encryption techniques, vulnerability assessments, incident response, and resilience enhancement strategies.	· •	\	-	2	85	75	3	2	1 2	2 2	2 3	1	1 2	2 1	2	3
CLO-3	this course equip individuals with practical skills to address complex threats within the telecommunications sector. Through simulation exercises, participants gain hands-on experience in mitigating DDoS attacks and securing cloud infrastructure, enhancing their ability to implement effective countermeasures. Additionally, the course offers opportunities to evaluate regulatory frameworks governing data privacy and consumer rights, empowering learners to navigate legal complexities confidently. By exploring advanced threats and emerging challenges, such as Vermilion Strike and LAPUS\$, professionals develop a proactive approach to cybersecurity. Practical exercises and group discussions facilitate collaboration and the exchange of threat intelligence, preparing individuals to detect and respond effectively to cyber threats in telecom networks.		~	~	3	85	75	3	1	3 1	3	3	1	3 3	3 2	1	3
CLO-4	Upon completion of the course, participants acquire a comprehensive understanding of telecommunication sector vulnerabilities and the regulatory framework, empowering them to make informed decisions and implement effective strategies. Analyzing cyber threats and risks equips learners with the ability to identify and mitigate potential breaches, enhancing overall cybersecurity in telecommunication networks. Furthermore, insights into critical information infrastructure and compliance requirements enable professionals to protect sensitive data and infrastructure effectively. With a focus on practical exercises such as reviewing sample license agreements and evaluating cybersecurity measures, participants develop practical skills to address security issues and enhance data protection practices, ensuring resilience in the face of evolving threats.	•	~	~	3	85	75	3	3	2 3	3 3	3	1	2 3	3 3	3	3
CLO-5	Through this course, learners gain insight into the multifaceted learning outcomes. They develop analytical skills to assess legal frameworks and understand the nuances of IT regulations. By drafting security policies and incident response plans, they enhance practical competencies in compliance management. Moreover, they grasp ethical considerations in digital media outlined in the Ethics Code and evaluate their impact on digital platforms. Understanding the National Cyber Security Policy aids in strategizing compliance implementation. Additionally, learners simulate crisis scenarios, honing crisis management skills and proposing future strategies to bolster national cybersecurity. This course fosters a holistic understanding of IT law, cybersecurity, and ethical implications in the digital sphere.	•	·	✓	3	85	75	3	3	2 3	3 3	3	-	3 3	3 3	3	3





Strategies								
Technology	Pedagogy / Andragogy	Sustainable Development	Sustainable Development					
Simulations	✓ Clarification/Pauses	✓ Good Health & Well Being	✓					
Presentation Tools								
Learning Management System	Group Discussion	✓ Quality Education	✓					
	Hands-on Practice	<u>✓</u>						
	Debate	✓						
	Interactive Lecture	✓						
	Brainstorming	✓						
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2	<pre><name>, <industry name="">, <email id=""></email></industry></name></pre>	2 <name>, <institution name="">, <email id=""></email></institution></name>	2	<name>, SRMIST, <email id=""></email></name>				





Code	PLCS24305T Title	INTELLECTUAL PF	ROPERTY RIGHTS AND CYBER	SECURITY	Category Profes (Electi	ssional Core L T P C ive) 3 1 2 5
Course Offe Departme	SCHOOLOTISW		requisite Nil Ourses	Progressive Nil Courses	Data Book / Codes/Standards	3
Title & Content	Unit 1	Unit 2	Unit 3	Unit 4	4	Unit 5
Duration (hour)	18	18	18	18		
SLO-1	concepts of property and intellectual property, considering their philosophical underpinnings and impacts on legal systems, societal norms, and economies.	copyright law in both traditiona and digital environments, scrutinizing the roles of rights holders and the challenges posed by private use and fair use doctrines in digita information dissemination.	examining challenges and opposin their use as internet addresses	names, patenting, analyzing ortunities opportunities era.	challenges and bioded by the internet em digi	diversity and its role in ecosystems, phasizing its relevance in the ital age.
SLO-2	development and modern significance of intellectual property rights, incorporating diverse viewpoints to understand their role in fostering innovation,	international agreements such as the Berne Convention, TRIPS Agreement, WIPC Copyright Treaty (WCT), and	unauthorized use of similar names, considering implication trademark holders.	against patent thickets and domain exploring their i	<mark>d pa</mark> tent trolls, trace mplications for Geo npetition in the des	ferentiate between patents, demarks, copyrights, trade secrets, ographic Indications (GIs), and sign rights in the context of diversity conservation.
SLO-3	human rights, using advanced theories to explore issues of	Analyze the provisions of the Indian Copyright Act, 1957 and its subsequent amendments comprehending the nuances of copyright works, ownership.	governing domain names, inclu roles of organizations lik International Telecommur Union and the International Tra Association.	iding the law and privacy of ke the internet age, disc nications conflicts and regulator	concerns in the cor erning potential bio	





SLO-4	Tutorial: Define intellectual property and its significance. Research its historical evolution to understand its importance in various domains. Tutorial: Analyze case studies of trademark disputes involving domain names and discuss relevant legal discuss their implications for innovation and security. Tutorial: Analyze case studies of trademark disputes involving domain names and discuss relevant legal discuss their implications for innovation and security.
SLO-5	Practice: Analyze the conceptual framework, historical idea generation on the trajectory, and various types of intellectual property, including their emergence as human rights. Practice: Brainstorm potential practice: Break into groups, review assigned case studies, and propose forms of IP rights associated with solutions for addressing patent thicket innovations. Practice: Break into groups, review forms of IP rights associated with solutions for addressing patent thicket innovations.
SLO-6	Practice: Conduct a Group Discussion to Explore the influence of international institutions on intellectual property regulation and strategies for commercialization through licensing agreements. Practice: Break into groups, analyze Break into groups, analyze Break into groups, analyze Break into groups, analyze Break into groups, analyze Break into groups, analyze Break into groups, analyze Break into groups, analyze Break into groups, analyze Case studies and Challenges and Share insights on patenting strategies in landscape. Practice: Break into groups, analyze Case Studies and Challenges and Share insights on patenting strategies in landscape. Practice: Break into groups, analyze Case Studies and Challenges and Share insights on patenting strategies in landscape. Practice: Break into groups, analyze Case Studies and Challenges and Share insights on patenting strategies in landscape. Practice: Break into groups, analyze Case Studies and Challenges and Share insights on patenting strategies in landscape. Practice: Break into groups, analyze Case Studies and Challenges and Share insights on patenting strategies in landscape.
SLO-7	Examine international regulatory Critique the role of business for intellectual models in safeguarding property, critically analyzing their intellectual property rights, effectiveness, limitations, and implications for worldwide employed by businesses to commerce and development. Examine international regulatory Critique the role of business Understand the complexities of patents trademark disputes arising from the use of domain names, including policies for intellectual property rights, of domain names, including policies for implications for worldwide employed by businesses to commerce and development. Explore the complexities of patents and personal data protection, of domain names, including policies for intellectual property rights, of domain names, including policies for intellectual property rights, of domain names, including policies for intellectual property rights, of domain names, including policies for intellectual property rights, of domain names, including policies for intellectual protection, of domain names, including policies for internet domain registration and international regulatory from the use and personal data protection, of domain names, including policies for internet domain registration and international regulatory from the use and personal data protection, of domain names, including policies for internet domain registration and international regulatory from the use and personal data protection, of domain names, including policies for internet domain registration and international regulatory from the use and personal data protection, of domain names, including policies for internet domain registration.
SLO-8	Develop effective strategies for commercializing intellectual property through licensing agreements, drawing on expertise from legal, economic, and strategic management fields to maximize value and minimize risks. Explore strategies for protecting associated with online copyright trademarks and commercial associated with online copyright trademarks and commercial associated with online copyright trademarks and commercial associated with online copyright designations against unauthorized use aspects of software patents and mobile designations against unauthorized use aspects of software patents and mobile biodiversity, IP, and cyber law, app patents, understanding their role in focusing on challenges posed by technology innovation and cyber security threats to biodiversity data and IP assets.
SLO-9	Apply advanced financial modeling techniques to determine the value of intellectual property rights, intellectual property rights, considering market dynamics, technological advancements, licensing, and termination of technological advancements, licensing, and termination of techniques to domain names as internet addresses by domain names as internet addresses by domain names as internet addresses by implications of using domain names as internet addresses by implications for intellectual property rights, considering trademark acquisition, assignment, licensing, and termination of techniques to domain names as internet addresses by implications for intellectual property rights, acquisition, assignment, licensing, and termination of techniques to domain names as internet addresses by implications for intellectual property rights, acquisition, assignment, licensing, and termination of techniques to domain names as internet addresses by implications for intellectual property rights, acquisition, assignment, licensing, and termination of techniques to domain names as internet addresses by implications for intellectual property rights, acquisition, assignment, licensing, and termination of techniques the implications of using domain names as internet addresses by governing the internet and their biodiversity conservation, IP domain names as internet addresses by governing the internet and their biodiversity conservation, and cyber security, rights enforcement and protection.





	and legal precedents for copyright. informed decision making
SLO-10	Tutorial: Investigate international regulatory governing intellectual property. Learn financial valuation techniques and negotiation strategies for commercializing intellectual property rights. Tutorial: Conduct a comparative analysis of Indian roles of international organizations in comparative analysis of Indian roles of international organizations in comparative analysis of patent thicket and troll geographic Indications (GIs) and cases and propose strategies for mitigating their negative effects. Tutorial: Conduct a comparative Geographic Indications (GIs) and cases and propose strategies for mitigating their negative effects.
SLO-11	Practice: Learn financial valuation methods for intellectual property rights and develop negotiation skills for determining payment terms in transactions. Practice: Divide participants protection plants, discuss trademark protection plans, discuss patent protection plans and discuss patent protection plans and discuss patent protection plans and discuss frameworks related to biodiversity best practices for patenting internet trademark enforcement. Practice: Collaboratively develop patent protection plans and discuss frameworks related to biodiversity best practices for patenting internet technologies. Practice: Collaboratively develop patent protection plans and discuss frameworks related to biodiversity best practices for patenting internet technologies. Practice: Collaboratively develop patent protection plans and discuss frameworks related to biodiversity best practices for patenting internet technologies.
SLO-12	Practice: Learners explore practice: Interactive session jurisdictional nuances in covering topics such as intellectual property rights (IPR) licensing, permissions, and legal decisions and comparing approaches in different jurisdictions. Practice: Assign roles such as trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark holder, domain name trademark not pregistrant, and mediator, and engage in discussions on trademark holder, domain name trademark holder, domain name trademark not pregistrant, and mediator, and engage in topics such as trademark holder, domain name trademark not pregistrant, and mediator, and engage in holder. Practice: Divide participants into trademark not predicted dilemmas concerning the ethical and legal implications of biodiversity conservation, and cyber security, and propose ethical solutions.
SLO-13	Formulate sophisticated property transactions, utilizing principles from contract law, intellectual property available legal remedies, including intellectual property available outcomes and prevent conflicts. Examine conflicts arising from Critique patenting strategies for social media platforms, evaluating their biodiversity conservation, IP property resolving effectiveness in protecting intellectual property rights in digital content organizations. Examine conflicts arising from Critique patenting strategies for social media platforms, evaluating their biodiversity conservation, IP property rights in digital content dissemination.
SLO-14	Evaluate the impact of digital technologies on intellectual property rights, exploring challenges and opportunities posed by online platforms and decentralized networks for business strategies. Investigate the challenges understand the relationship between posed by wide-ranging private domain names, considering their implications for intellectual property rights, exploring domain names, considering their patents, geographical indications, and domain names, considering their patents, geographical indications, and domain names, considering their patents, geographical indications, and domain names, considering their patents, geographical indications, and domain names, considering their patents, geographical indications, and domain names of innovation and potential legal managing biodiversity, protecting IP challenges. Evamine case studies illustrating real-patents in internet technologies, identifying emerging areas of innovation and potential legal managing biodiversity, protecting IP challenges. Evamine case studies illustrating real-patents in internet technologies, identifying emerging areas of innovation and potential legal managing biodiversity, protecting IP challenges. Evamine case studies illustrating real-patents in internet technologies, identifying emerging areas of innovation and potential legal managing biodiversity, protecting IP challenges.





SLO-15	Synthesize interdisciplinary perspectives to propose innovative solutions for complex intellectual property issues, and strategic foresight to address the dynamic tensions between innovation, regulation, and societal well-being in a knowledge-driven economy. Apply acquired copyright protection propose the concept of domain names as catchwords and their significance in branching and marketing strategies, and their significance in branching and marketing strategies, considering legal, technological, and considering legal,
SLO-16	Tutorial: Develop strategies for implementing and integrating digital solutions into intellectual property management practices, scalability, and compatibility with existing systems Tutorial: Develop innovative business strategies for protection plan for a hypothetical company facing domain name disputes. Tutorial: Develop strategies to protection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark software and mobile approprotection plan for a hypothetical landmark softw
SLO-17	Practice: Examine real-world cases of intellectual property participants (e.g., plaintiff, management, applying defendant, legal counsel) and theoretical knowledge to conduct a simulated trial with practical scenarios and deriving arguments and evidence insights for effective decision-making. Practice: Divide participants into partic
SLO-18	Practice: Collaborate to develop strategic plans for navigating the complexities of intellectual property rights, considering dimensions in a globalized context. Collaborative Collaborative workshop on topics such as digital rights management, and discuss case studies of emerging technologies influencing brainstorm innovative patenting brainstorm





Assessment	Continuous Learning Assessment - 1	Continuous Learning Assessment - 2
	Continuous Learning Assessment - 3	+111-141 mg

Resource	3		
1	The Copyright Act, 1957	6	Rajesh Singh, Unfolding Intellectual Property Rights, Notion Publications (2019), ISBN:978-1-64546-536-2 (e-book).
2	The Patent Act, 1970	7	S. Racherla, Innovation, Economic Development, and Intellectual Property in India and China, Springer Publications (2019), ISBN:978-981-13-8101-0 (e-book), ISBN:978-981-13-8102-7.
3	Raymond J.Hegarty, Billion Dollar Strategy, (2019)	8	Land Mark Publications (2011), Cyber Law
4	Vikas Vashishth.; "Law and practice of intellectual property in India" Sreenivasulu N.S; "Law Relating to Intellectual Property", Patridge Publishing, 2013.	9	Vakul Sharma; "Information Technology: Law and Practice", Universal Law Publishing Co., India, 2011
5	Biodiversity Act 2002	10	Geographical Indication Act 1999





Rationale	CLR) The purpose of learning this course is to:	De	epth	1	A t	ttai	nme	n	Pro	gra	m L	.ear	ning	j Οι	utco	nes	(PL	.0)
CLR-1	Developing a comprehensive understanding of property and intellectual property, covering conceptual foundations, historical evolution, international aspects, commercialization strategies, financial valuation methods, negotiation skills, and digital domain impact, equips students to navigate legal and economic landscapes effectively, ensuring proficient asset protection, management, and utilization.	1	2	3 4	. 1	1	2 3	3	1	2 3	3 4	5	6	7 8	3 9	10	11	12
CLR-2	Develop a comprehensive understanding of copyright principles, encompassing its application in digital environments, rights management, international treaties, Indian copyright law, and infringement remedies, equips students with the capacity to navigate complex legal frameworks and protect intellectual property rights effectively in the digital era.																	
CLR-3	Mastery in analyzing trademark concepts, particularly their application to domain names, equips students to adeptly navigate international regulations and formulate comprehensive policies for internet domain registration, ensuring robust protection of intellectual property rights in the digital realm.															easoning		
CLR-4	Demonstrating advanced proficiency in scrutinizing the multifaceted intersections between patent law and cybersecurity enables students to comprehend contemporary digital challenges, including patent thickets and privacy concerns, and grasp their broader implications on internet governance and intellectual property rights.						(%)	(%) 1t	adde		5	kills	sllis	Work	ing		Si	
CLR-5	Analyze the intricate relationships among biodiversity, Intellectual Property (IP), and cyber law, empowering them to navigate intricate challenges presented by cyber security threats and make substantial contributions to the sustainable management of biodiversity and intellectual assets in the digital era.	Conceive Design Implement Operate		of Thinking	Level of Thinking	Expected Proficiency (%)	Expected Attainment (%)	plinary Knowle	al Thinking	dical Reasonir	arch-related S	munication Sk	eration/Team	Self-directed Learning	Moral and Ethical Reasoning	Leadership Qualities	Life Long Learning	
Outcomes	(CLO) At the end of this course, learners will be able to:		Desic	mple		Leve	Expe	Expe	Disci		Anal	Rese	Som		Self	Mora	Lead	Life
CLO-1	Comprehensive understanding of property and intellectual property, including their conceptual foundations, historical evolution, international aspects, commercialization strategies, financial valuation methods, negotiation skills, and the impact of intellectual property rights in the digital domain.		✓	-		2 8	35 7		3						2 2		2	3
CLO-2	Develop a comprehensive understanding of copyright principles, encompassing its application in digital environments, rights management, international treaties, Indian copyright law, and infringement remedies.	✓	~	✓ -	2	2 8	35 7	'5	3	2 1	1 2	2	3	- 1	1 2	1	2	3
CLO-3	Proficiently analyze trademark concepts, including their application to domain names, navigate international regulations and formulate policies for internet domain registration.	5, 🗸	✓	✓ ✓		3 8	35 7	'5	3	1 3	3 1	3	3	- 1	1 1	2	1	3
CLO-4	Demonstrate advanced proficiency in analyzing the multifaceted intersections between patent law and cybersecurity, including challenges within the digital era, such as patent thicket and trolls, as well as navigating complexities surrounding privacy concerns, personal data, software patents, mobile applications, social media, and their implications on internet governance and intellectual property rights.	S	✓	✓ ∨		3 8	35 7	'5	3	3 2	2 3	3	3	- 2	2 3	3	3	3
CLO-5	Analyze the interconnectedness of biodiversity, Intellectual Property (IP), and cyber law in the modern digital age, enabling them to navigate complex challenges posed by cyber security threats and contribute significantly to the sustainable management of biodiversity and intellectual assets.								3	2 2	2 2	3	2	1 3	3	3	2	3





			Continuo	ous Learning Asse	essment (CLA 40	% Weightage)				
Level of Thinking	Model (20		Assignment/ S discussion/ F	eminar/Group Presentation		n in seminar/ / Publication	Participation ir curricular & l acti	Final Exam		
	(20	%)	(10	%)	(5	%)	(5	5%)	(60	%)
Remember	40%		40%	20,000	30%	A			40%	
Understand	40%	-	40 %		30 %	10		-	40 %	
Apply	40%		40%		40%	1			40%	
Analyze	40%	-	40%	1000	40%	1		-	40%	
Evaluate	20%		200/	100	30%				200/	
Create	20%	-	20%	17-50 Te	30%	0.7		-	20%	
Total	100	%	100	%	10	0 %	10	0 %	100	%

Strategies					
Technology		Pedagogy / Andragogy		Sustainable Development	
Simulations	✓	Clarification/Pauses	✓	Good Health & Well Being	✓
Presentation Tools	_	Marie Marie Control of the Control o			
Learning Management System		Group Discussion	✓	Quality Education	✓
		Hands-on Practice	✓		
		Debate	✓		
		Interactive Lecture	✓	Name of the last o	
		Brainstorming	✓		
				/	
				-	
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Designers		
Professional Experts	Higher Institution Experts	Internal Experts
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2 <name>, <industry name="">, <email id=""></email></industry></name>	2 <name>, <institution name="">, <email id=""></email></institution></name>	2 <name>, SRMIST, <email id=""></email></name>





MINI PROJECT CORE PRACTICAL

C 1	PL C\$24306P	m: 1	MANUADO DECE	Category	Core Practical (P)	$L \mid T \mid P \mid C$
Code	PLC524300P	Title	MINI PROJECT	Category	Cole Flactical (F)	0 1 4 3

	100	Course Nature: Pra	ctical		
Assessment Method (Max N	Лarks:100)	0	10,		
-	Assessment Tools	Written- Submission	Presentation	Viva Voce	Total
End-semester	Marks	60	20	20	100
		San Victoria	The Market Area	Total Max Marks	100





Code	PLCS2440)1T	Title		CRYPTO CURR	RENCY AND LE	GAL ISSUES			Category	Professional Core (Elective)	L T P C 3 1 2 5
Course O		ool of Law	Pre-red Cour			requisite ourses	Nil		ressive urses	Nil	Data Book / Codes/Standards	
Title & Content		Unit 1		Un	it 2	l	Unit 3		Ur	nit 4	Unit	5
Duration (hour)		18			8		18			18	18	
SLO-1	Evaluate concepts cryptography between asymmetric	and defi y, di symmeti	istinguishing ric an <mark>d</mark>	cryptocurrency	terminology to	which Bit decentralization	tcoin ach n, including th	hieves Bitc le role Coil	oins throug nigy, includii steps involve	<mark>h pl</mark> atforms lik <mark>ng un</mark> derstandir	g Analyze research e and challenges w g ecosystem, explo d issues, regulatory technological adva	ithin the Bitcoin oring scalability hurdles, and
SLO-2	Implement methods i techniques,	classical including t and an	encryption substitution ransposition alyze their	Evaluate var applications and cryptocurrency w non-financial dom	potential uses of ithin financial and	transactions, in	ncluding the pr rifying transac	rocess utilize ctions, Coin the fund	zed by Coinig n predic	y, <mark>with a f</mark> ocus c tions, mark an <mark>d te</mark> chnic	et understanding implications,	ration of Bitcoins and wallets, their legal security and practical
SLO-3	Differentiate ciphers and assess their cryptographi	l stream or suitability	iphers, <mark>and</mark> for variou <mark>s</mark>		foundational mechanics of	and utilize Bit use of wallets	tcoin, includin , private keys	ng the ana s, and the	llyze market in state of the ket, particul		n regulatory	
SLO-4	Tutorial: encryption substitution	Implement techniq and transpo	ues like	Tutorial: Analyze regulations, compliance strat border e-commer group presentation	and develop regies for cross- ce, culminating in	of Bitcoin's examining the	decentraliz roles of miner ough inter	zation, plat rs and and ractive	form to unde	stand its interfac	y Tutorial : Expl e issues, regulatory technological shaping the future	advancements
SLO-5	and transpo	osition tec ntexts, and	hniques on analyze the		term <mark>s to their</mark> tions through an	simulated exe Bitcoin transac	ercise to ex ctions, empha sures and p	xecute exe asizing plat orivacy Bitc	rcise using form to pra	g the Coinig actice purchasir navigating th	d Practice: Engage y exercise to creat g Bitcoin contracts, e wallet manageme protocols.	e and execute while practicing





SLO-6	Practice: Compare and contrast block ciphers and stream ciphers, and assess their performance in encrypting data streams of varying lengths. Practice: Semulate a blockchain blockchain forum discussing community focused on technical analysis to explore the usability of Bitcoins and regulation within the Bitcoin ecosystem, exploring various perspectives and proposed solutions. Practice: Engage in a workshop focused on technical analysis to explore the usability of Bitcoins to explore the usability of Bitcoins in foreign countries and India, ease studies.
SLO-7	Develop an understanding of hybrid encryption methods, integrating both symmetric and asymmetric encryption for enhanced security. Analyze the legal implications of hybrid encryption methods, integration both symmetric and asymmetric encryption for enhanced security. Analyze the application of Bitcoin for international provided by Bitcoin transactions and other cryptocurrencies, and other cryptocurrencies, and the potential risks associated with privacy concerns. The content of the legal implications of evaluate the level of anonymity and other cryptocurrencies, and other cryptocurrencies, and other cryptocurrencies, and the potential risks associated with privacy concerns. The content of Bitcoin mining strategy and other cryptocurrencies, and other cryptocurrencies, including their introduction to cryptography and the underlying selfish mining, and their impact on network security and decentralization.
SLO-8	Understand the principles of the one-time pad encryption technique regulatory frameworks for and its implications for information security. Assess and propose effective Utilize the role of community politics in the regulation and governance of Bitcoin, including debates over scalability, protocol upgrades, and regulatory compliance. Interpret the Nakamoto Consensus and Diticis and Bitcoin white paper to of the Bitcoin community, including understand the foundational governance models, decision-making processes, and ideological debates.
SLO-9	Assess security measures for critically evaluate legal conflicts email communication and internet arising from cryptocurrencies browsing, identifying vulnerabilities and countermeasures Compare alternative mining puzzles utilized by Bitcoin, such as providing an overview of their ecosystem, including scalability features, use cases, and market sissues and protocol improvements. Stake (PoS), and their impact on decentralization and energy consumption.
SLO-10	Tutorial: Investigate email, Tutorial: Assign scenarios, have internet, and web protocols Tutorial: Investigate email, Tutorial: Assign scenarios, have internet, and web security protocols Tutorial - Engage in a hands-on practice secure techniques on Coinigy to analyze of Ethereum contracts, discussing market trends and predict price movements. Tutorial - Apply technical analysis Tutorial - Conduct a legal analysis techniques on Coinigy to analyze of Ethereum contracts, discussing market trends and predict price movements. Tutorial - Apply technical analysis Tutorial - Conduct a legal analysis techniques on Coinigy to analyze of Ethereum contracts, discussing market trends and predict price movements. Tutorial - Apply technical analysis techniques on Coinigy to analyze of Ethereum contracts, discussing market trends and predict price movements. Tutorial - Apply technical analysis trutorial - Conduct a legal analysis techniques on Coinigy to analyze of Ethereum contracts, discussing market trends and predict price movements. Tutorial - Apply technical analysis trutorial - Apply technical analysis trutorial - Conduct a legal analysis techniques on Coinigy to analyze of Ethereum contracts, discussing market trends and predict price movements.
SLO-11	Practice: Design a hybrid encryption scheme incorporating both symmetric and asymmetric encryption, and evaluate its effectiveness in securing sensitive data. Practice: Analyze existing Practice: Conduct a workshop comparing different mining puzzles discuss and analyze current discuss and analyze current mining strategies and potential market trends in cryptocurrencies, analyzing their pros and cons. Practice: Join a debate forum to discuss and analyze current mining strategies and potential market trends in cryptocurrencies, attack vectors, discussing utilizing Coinigy data for insights. Practice: Join a debate forum to discuss and analyze current mining strategies and potential used by Bitcoin and alternative utilizing Coinigy data for insights. Practice: Join a debate forum to discuss and analyze current mining strategies and potential utilizing Coinigy data for insights. Practice: Analyze various Bitcoin discuss and analyze current under trends in cryptocurrencies, attack vectors, discussing utilizing Coinigy data for insights. Practice: Join a debate forum to discuss and analyze current under under trends in cryptocurrencies, attack vectors, discussing utilizing Coinigy data for insights. Practice: Join a debate forum to discuss and analyze current under under trends in cryptocurrencies, attack vectors, discussing utilizing Coinigy data for insights.
SLO-12	Practice: Conceal a message varietie: Discuss and analyze vithin an image using real-world legal cases involving steganography techniques, and disputes related to cryptocurrency and ecosystem of selected students invest virtual currency and politics of the Bitcoin





	develop methods for detecting hidden data.		endations for investment app	ng Coinigy's analysis platform, plying learned approaches and pories.	community, considering different perspectives and ideologies.
SLO-13	digital media and employ methods	treatment of cryptocurrencies as innovation property in common law and includin civilian legal systems.	on and development, solu g the creation of smart deve s, decentralized practions (DApps), and tran	utions outlined in the Bitcoin veloper guide, focusing on best	
SLO-14	Standard (DES) algorithm, understanding its design principles		ve coins (Altcoins) and bloc cryptocurrencies, pee ring their unique features, und es, and market dynamics.	ckchain transactions within a er-to-peer network, derstanding the security and	Evaluate the legal implications of Ethereum contracts, including their enforceability, regulatory compliance, and potential impact on traditional legal frameworks.
SLO-15	public key cryptosystems, focusing on the RSA algorithm and key management strategies, including	Engage in critical analysis of legal conceptions of cryptocurrencies, and traincluding their status as property explorir and their implications in economic systems.	ditional banking systems, ana challenges, functions, and regulatory technes.	alysis platfor <mark>m,</mark> Bitcoin	Ethereum, examining real-world applications, challenges faced, and lessons learned.
SLO-16		arbitration, followed by a debrief explora and analysis.	ble discussion to the and Bitcoin's legal pers pe, followed by an and	e challenges and research respectives in Bitcoin protocols, d explore potential solutions and	strategy attacks and their impact on network security, exploring
SLO-17	and operation of the Data Encryption Standard (DES), and	Practice: Participate in a Practice structured debate exploring discuss diverse perspectives on the regulation of cryptocurrencies, sectors considering both advantages and relation	: Attend a panel Praction featuring experts from lab ptocurrency and banking med exploring the evolving tran	setting to understand the echanics of blockchain nsactions and peer-to-peer tworks, using Bitcoin as a case	





	Practice: Implement the RSA									
	algorithm for key generation and	the legal treatment	and regulatory	to identify and	d assess o	operational res	earch project explori	ing various explo	ing blockchair	n innovations,
	encryption, and explore key	approaches to o	cryptocurrencies	risks related	to cyb	bersecurity, per	rspectives and challe	nges within includ	ing pegged sid	dechains, and
	management strategies, including	across different	East Asian	accounting,	and a	anti-money Bito	coin protocols,	presenting their	potential ap	plications in
	the Diffie-Hellman Key Exchange	jurisdictions.		laundering i	ssues w	<mark>vithin the</mark> find	dings to the class for	discussion variou	is industries,	discussing
	protocol.			Bitcoin ecosys	stem.	and	<mark>d ana</mark> lysis.	future	trends and ch	nallenges with
				-12 T. N.	100			indus	ry experts.	
Assessment	Continuous Learning Assessment -			Continuo	us Learnin	ng Assessment	- 2			
	Continuous Learning Assessment -	3				-11 AV.				

Resource			
1	Christian Newman, BitcoinFrom Beginner to Export, Kobo Publications, 2019, ISBN-13:9781518987892, ISBN-10: 1518987893.	6	Michael Scott, BitcoinFor Beginners, Kobo Publications, 2019, ISBN-13: 9781518996535, ISBN-10: 1518996531.
2	Matteo Le Riche, Bitcoin, CreateSpace Independent Publishing Platform, 2017, ISBN 10: 1975920414/ ISBN 13: 9781975920418.	7	Anthony TU, Crypto Currency for Beginners, Career Publications, 2017, ISBN-10: 1976158877 ISBN-13: 9781976158872.
3	Christian Newman, Crypto Currency Investing Ultimate Guide, Book Zone Publications, ISBN:9781980244547	8	Samuel Rees, Bitcoin, Samuel Rees Publications, 2017, ASIN: B077NBZ7D2
4	Chris Lambert,Investing in Crypto currency, Amazon Asia-Pacific Holdings Private Limited, ASIN: B073SH7MMX, Kindle Edition	9	Cryptocurrencies in Public and Private Law, David Fox and Sarah Green, ISBN: 9780198826385
5	Arvind Narayanan, Bitcoin and Cryptocurrency technologies, Princeton University Press, 2016 Publications, ISBN - 9780691171692	10	Charles Hamilton, The Ultimate Guide to Crypto Currencies and Digital Money.





Rationale	e (CLR)	The purpose of learning this course is to:		Dep	th	Att	tain nt	me	Pr	rogr	am	Lea	rnin	g C	outco	ome	s (P	LO)
CLR-1		nts with a comprehensive understanding of cryptography fundamentals, covering various encryption security protocols, and key management strategies essential for navigating modern cryptographic systems.	1	2	3 4	1	2	3	1	2	3 4	4 5	6	7	8 9	10	11	12
CLR-2	nature, lega	sive exploration of cryptocurrency, covering its terminology, applications, blockchain technology, monetary I implications, regulatory frameworks, legal treatment, and regional characterizations, fostering a deep ng of its multifaceted nature and significance in the global context.																
CLR-3	regulatory la	thorough examination of various aspects surrounding Bitcoin, including its decentralization, storage, usage, and scape, alternative cryptocurrencies, banking relationships, taxation implications, and cybersecurity roviding students with a comprehensive understanding of its multifaceted nature and associated risks.														ina	>	
CLR-4	exploring va within the re	nts with the ability to navigate the purchase of Bitcoins using Coinigy, involving analyzing its platform, irious market prediction strategies, and contextualizing the application of cryptocurrencies, such as Bitcoin, ralms of cryptography and blockchain technology.				0	iency (%)	Expected Attainment (%)	wledge			oning Skills	Skills	am Work	Digital Literacy	Moral and Ethical Reasoning	lities	ing
CLR-5	Enable stud	ents to critically assess the incorporation of Bitcoin into contracts and wallets, evaluating their legal s, security concerns, and real-world utility.	a		ınt	Level of Thinking	d Profic	d Attain	ary Knc	- hinking	Solving	al Keaso	ication	tion/Te	teracy	d Ethic	eadership Qualities	Life Long Learning
			. <u>S</u>	5	ate	o d	i ĕ	cte	lë.	a	띪.			eg:		<u>a</u>	ers	Ü
Outcome	s (CLO)	At the end of this course, learners will be able to:		Desic	Implement Operate	Leve	Expe	Expe	Disci	Critic	Proble	Anal) Rese		9	Digital Plans	Mora	ead	le E
CLO-1	techniques,	e basics of cryptograp <mark>hy, inc</mark> luding definitions, symmetric and asymmetric cryptosystems, classical encryption email and web security, steganography, Data Encryption Standard (DES), public key cryptosystems like RSA nagement including Diffie-Hellman Key Exchange.		~	-			75							2 2		2	3
CLO-2	technology	the world of cryptocurrency, encompassing fundamental terminology, diverse applications, the underlying of blockchain, its virtual monetary nature, implications in international and public law, regulatory frameworks, aws, treatment within common law and civil legal systems, and characterizations in East Asia.	~	✓.	-	2	85	75	3	2	1 2	2 2	3	-	1 2	1	2	3
CLO-3	regulations,	oin's decentralization mechanisms, mechanics, storage and usage methods, anonymity, community politics, mining puzzles, platform aspects, altcoins, banking connections, taxation, non-state virtual currencies, and ty and operational risks.	✓	✓.	< <	3	85	75	3	1	3	1 3	3	-	1 1	2	1	3
CLO-4		purchase of Bitcoins through Coinigy, delving into its analysis platform, main approaches, market prediction and the application of cryptocurrencies, including Bitcoin, within the context of cryptography and blockchain	~	✓ .	< <	3	85	75	3	3	2	3 3	3	-	2 3	3	3	3
CLO-5		integration of Bitcoin in contracts and wallets, assessing their legal implications, security considerations, and plications.	√	✓ .	/	3	85	75	3	3	2	3 3	3	-	3 3	3	3	3





			Continuo	ous Learning Asse	ssment (CLA 40	% Weightage)					
Level of Thinking	Model Exam (20%) Assignment/ Seminar/Grodiscussion/ Presentation							ion in class room/co- ar & Para curricular activities	Exan		
	(20	%)	(10	%)	(5	%)		(5%)	(60°	%)	
Remember	40%		40%	27	30%	AU.			40%		
Understand	40%	-	40 %		30%	115		-	40%		
Apply	40%		40%		40%	-			40%		
Analyze	40%	-	40 %	1000	40 %			-	40%		
Evaluate	200/		200/		200/				200/		
Create	20%	-	20%	157-50-50	30%	(A)		-	20%		
Total	100	%	100	1 %	10	0 %	-	100 %	100	%	

Strategies					
Technology		Pedagogy / Andragogy		Sustainable Development	
Simulations	✓	Clarification/Pauses	✓	Good Health & Well Being	✓
Presentation Tools		1 10 2 1 3 1 3 1 4 1			
Learning Management System		Group Discussion	✓	Quality Education	✓
		Hands-on Practice	✓		
		Debate	✓	7.190	
		Interactive Lecture	✓	-	
		Brainstorming	✓	A STATE OF THE STA	
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Designers		
Professional Experts	Higher Institution Experts	Internal Experts
1 <name>, <industry name="">, <email id=""></email></industry></name>	1 <name>, <institution name="">, <email id=""></email></institution></name>	1 Mariya Joseph, Assistant Professor, School of Law,, SRMIST
2 <name>, <industry name="">, <email id=""></email></industry></name>	2 <name>, <institution name="">, <email id=""></email></institution></name>	2 <name>, SRMIST, <email id=""></email></name>





Code	PLCS	24402T	Title	ARTIFICIA	L INTELLIGE	ENCE AND (CYBER SECU	RITY	Ca ry	tego Profession (Elective	onal Core)	L T 3 1	P C 2 5
	Offering rtment	School of La		quisite Nil rses	Co-requ Cours		Nil	Progressiv Courses		Data Boo Codes/Stan			
Title 8 Conter		Unit 1		Unit 2			Unit 3		Uni	t 4	U	Init 5	
Duration (hour))	18		18			18		18			18	
SLO-1	impa (AI) 21st implio syste	ct of Artificia on various s century, i cations for so	l Intelligence ectors in the ncluding its	Evaluate the evolution surrounding Artificial Intellianalyzing key legal frame precedents to unders development of Al law.	gence (AI), eworks and stand the	Data Protect key princip	ction Bill 2018 les and reg g personal	3, identifying Julations for	necessary for confidentiality of in	determining the offermation within	frameworks go	verning	loT in th
SLO-2	Evaluchalle wides techrosuch	uate the ethica enges pose spread adop nologies, cons	d by t <mark>he</mark> otion of <mark>Al</mark> idering issues	Critically appraise the coma National Strategy for Intelligence, discerning its implementation mechani impact on socio development.	or Artificial objectives, sms, and o-economic	outlined in t Report, sy understand	the Sri Krishn ynthesizing the ration eforms in dat	a Committee insights to ale behind	IoT-related comp implications fo	<mark>panies</mark> and its		gener	ate ethic
SLO-3	3 Critic of A medi poter	ally assess the rtificial Intellig cal field, intial to enhanc ment planning	gence in the including its e diagnostics,	Analyze the significance Intelligence across various synthesizing case studies its transformative pohealthcare, finance, tranand other industries.	of Artificial us sectors, to illustrate tential in	Assess the resecurity are discerning both enhance	relationship be nd artificial how Al techr ce and pose o	intelligence, nologies can	and trace development to	its historical understand its	principles tailo	red to t	he uniqu
SLO-4	analy unde poter	zing case rstand Al's t	studies to transformative nplications for	Tutorial: Present cas showcasing diverse appl Artificial Intelligence in sectors such as healthcan and transportation.	ications of n various	online pri breaches, s	ivacy, inclu urveillance pr	ding data actices, and	principles and the	eories applicable ough		neworks ovide gu	in the E uidance f





SLO-5	comparative analysis of historical and contemporary examples to elucidate the transformative nature of Al in diverse industries, culminating in	experts from law, ethics, and role-play lawmakers and stakeholders confidentiality in IoT systems. technology fields, facilitating dialogue to discuss and negotiate key on the implications of granting legal rights to AI entities and potential	case studies depicting ethical
SLO-6	the ethical implications of Al technologies in a simulated scenario, engaging in structured	regulations and guidelines governing and privacy to analyze the Sri Krishna understand and evaluate their Al technologies, identifying gaps and committee Report, providing insights ethical culture's influence on proposing amendments to promote into the report's recommendations and ethical and responsible Al potential implications for stakeholders.	simulation exercise to evaluate
SLO-7	for integrating AI technologies in the use of drones, emphasizing their role in surveillance,	Assess the objectives and scope of a Critically examine the ethical and legal Explore a range of general ethical implications of internet of things (IoT) principles and theories applicable Intelligence, examining its role in devices, analyzing issues related to to IoT contexts, discerning their fostering innovation, research, and development within a country's Al ecosystem.	privacy concerns, and trust
SLO-8	Intelligence in drone technology, elucidating its role in surveillance, logistics, and disaster management, discerning ethical and legal implications in deployment scenarios		IoT-related companies and its influence on information confidentiality.
SLO-9	threats posed by Al-enabled technologies, examining potential vulnerabilities in critical infrastructure and proposing	Critique the ethical considerations surrounding the development and deployment of AI technologies, internet, exploring legal frameworks exploring issues such as algorithmic bias, privacy infringement, and societal impact. Analyze the concept of the right to ldentify the historical milestones and technological advancements shaping the IoT's definition and evolution.	Assess India's stake in the





SLO-10	frameworks relevant to Al development and deployment.	effectiveness of current Al laws and world case studies to understand how EU and the US.	
SLO-11	a case study exploring the application of Al-driven diagnostic tools in healthcare	Practice: Conduct a mock legislative session to debate and draft proposed laws on Artificial Intelligence, engaging in role-playing exercises to simulate the legislative process and consensus-buildin Practice: Participate in a tabletop exercise: Attend a series of exercise simulating a cyber attack seminars providing a comprehensive overview of the participants collaborate to identify definition and historical vulnerabilities, respond to security development of the Internet of breaches, and develop incident Things.	discuss and explore diverse ethical dilemmas inherent in IoT technology, applying various
SLO-12	Practice: Participate in a tabletop exercise simulating a cyber attack leveraging Al, where participants work in teams	experts for feedback and evaluation. hypothetical IoT deployment, identifying risks and proposing mitigation strategies.	workshop to gain practical
SLO-13	Synthesize interdisciplinary knowledge to design and implement Al-driven solutions for healthcare challenges,	governance of Artificial Intelligence, advancements and societal norms on processes. incorporating legal, ethical, and individuals' expectations of privacy. technological considerations.	
SLO-14	Propose innovative strategies for optimizing the use of AI in drone operations, considering factors such as environmental impact,	public administration and governance structures, emphasizing transparency, accountability, and citizen engagement breaches, surveillance practices, and ecosystem to safeguard confidentiality.	Critically analyze governmental policies and regulations concerning IoT, discerning their impact on ethical standards and data confidentiality.





SLO-15	management frameworks to address emerging cyber threats posed by Al technologies,	s making processes, exploring issues of fairness, accountability, and transparency in algorithmic systems	perspectives to propose ethical and ethical culture of IoT-related	technology and ethical principles through theoretical frameworks.
SLO-16	Tutorial: Present an overview of cybersecurity risks associated	, implemented national strategies for	illustrating privacy breaches, data policies and practices concerning misuse, and liability issues in IoT information confidentiality. ecosystems.	
SLO-17	cybersecurity task force tasked with identifying and addressing potential vulnerabilities in A systems used for critical	highlighting the impact of Artificial Intelligence in different sectors, synthesizing findings to identify common themes, challenges, and opportunities for future development.	Practice: Conduct a role-playing exercise where participants act as internet users navigating privacy challenges online, such as encountering targeted advertisements or data collection practices, and discuss strategies for protecting personal information. Practice: Participate in a simulated scenario exploring the role of governments in regulating IoT, considering the implications for ethical standards and data confidentiality.	stakeholder consultation session regarding India's involvement in the IoT industry and its impact on
SLO-18		Workshop.	Practice: Organize a symposium on privacy in the digital age, featuring presentations from legal scholars, technologists, and activists to explore emerging threats to privacy on the internet and strategies for preserving digital freedoms. Practice: Join a debate forum to discuss and debate governmental policies and regulations concerning IoT, exploring their ethical implications and potential impact on confidentiality.	practices and policies to identify strengths and areas for improvement in fostering a





Resources	
Akash Kamal Mishra, An Overview on Cyber Crime & Security, Createspace Publications, Second Edison:2018	6 PavanDuggal, Artificial Intelligence Law, Amazon Asia-Pacific Holdings Private Limited
Rear Admiral Dr. S. Kulshrestha (Retd.), Indian Navy, TheInterweaving of Cyber Security in Artificial Intelligence, IntraStra Global Publications, 2019	7 SaiSundara Krishnan, Computational Intelligence, Cyber Security and Computational Models, Springer Publications, 2014,
Rear Admiral Dr. S. Kulshrestha (Retd.), Indian Navy, Artificial Intelligence & Cyber Defense, IntraStra Global Publications	8 PavanDuggal, Artificial Intelligence & Cyber Security Law, 2018
4 Xingming Sun, Artificial Intelligence and Security, Springer Publications, Switzerland, 2019	9
Rationale (CLR) The purpose of learning this course is to:	Depth Attainme nt Program Learning Outcomes (PLO)
Examine the transformative potential of Artificial Intelligence (AI) in the 21st century, explore its implications across of tackle associated challenges, and evaluate its applications in medicine and drone usage, while also addressing met threats resulting from AI integration.	thods to mitigate cyber 1 2 3 4 1 2 3 1 2 3 4 5 6 7 8 9 0 1 2
Equip participants with the ability to examine a case study demonstrating practical applications of Artificial Intelligence evolution of laws related to AI development, evaluate national strategies and programs for AI implementation in diversesses the concept of legal personality assigned to AI entities.	erse sectors, and
Assess the relationship between cybersecurity and artificial intelligence, scrutinize the ethics and laws regulating the appraise security, privacy, and trust considerations, comprehend the right to privacy and data protection online, grass privacy, and identify emerging threats to online privacy.	th
Evaluating factors influencing information confidentiality, such as the ethical culture of IoT companies, while also ensured comprehensive understanding of IoT's definition, historical context, ethical principles, governmental roles, regulation security, privacy, trust, ethical questions, and India's involvement in the field.	Conceive besign bestgraphed besign besign besign besign besign besign besign besign besign besign besign besign besign besign besign bestgraphed besign besign besign besign besign besign besign besign besign best
Explore IoT Governance & Ethics: Implementing Compliance, Principles, and Security Measures to Navigate Regula Ethical Challenges, Including Assessing India's Role in the Internet of Things	Conceive Conceive Conceive Design Implement Operate Expected Proficie Expected Proficie Expected Proficie Expected Proficie Expected Proficie Expected Proficie Communication S Cooperation/Teal Cooperation/Teal Cooperation/Teal Cooperation/Teal Cooperation/Teal Moral and Ethical Moral and Ethical High Jona I was a light of the cooperation of the coopera
Outcomes (CLO) At the end of this course, learners will be able to:	
CLO-1 Evaluate the transformative potential of Artificial Intelligence (AI) in the 21st century, analyze its implications across address associated challenges, and assess its applications in the medical field, as well as in the utilization of drones threats posed by AI integration.	
CLO-2 Analyze a case study illustrating the practical applications of Artificial Intelligence (AI), comprehend the evolution of development, assess national strategies and programmes for AI implementation across various sectors, and evalual personality attributed to AI entities.	
Evaluate the relationship between cybersecurity and artificial intelligence, examine the ethics and laws governing the assess security, privacy, and trust considerations, understand the right to privacy and data protection online, grasp to and identify emerging threats to online privacy.	
CLO-4 Proficient in assessing factors influencing information confidentiality, including the ethical culture of IoT companies, a comprehending IoT's definition, historical context, ethical principles, governmental roles, regulations, characteristics ethical questions, and India's stake in the field.	s, security, privacy, trust, 🗸 🗸 🗸 3 85 75 3 3 2 3 3 3 - 2 3 3 3 3
Apply in navigating IoT regulatory frameworks, implementing compliance measures, applying ethical principles, ensurand evaluating India's involvement in the Internet of Things.	suring robust security,





			Continuo	ous Learning Asse	essment (CLA 40	% Weightage)				
Level of Thinking	Model Exam Assignm		Assignment/ S discussion/ F			Participation in seminar/ Conference/ Publication (5%)		Participation in class room/co- curricular & Para curricular activities (5%)		nal am
	(20	(20%)								(60%)
Remember	40%		40%	27	30%	A			40%	
Understand	40%	-	40 %		30 %	1/2		-	40 %	
Apply	40%		40%		40%	1			40%	
Analyze	40%	-	40%	1000	40%	1		-	40%	
Evaluate	200/		200/	200	200/				200/	
Create	20%	-	20%	17-50-5	30%	0. 1		-	20%	
Total	100	%	100	1 %	10	0 %	1	00 %	100	%

Technology		Pedagogy / Andragogy			Sustainable Development			
Simulations		✓	Clarification/Pauses	1-11-1	√	Good Health & Well Being	✓	
Presentation Tools	-	✓	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			-		
Learning Management System		✓	Group Discussion	A THE STATE OF THE	√	Quality Education	✓	
			Hands-on Practice	Color Marie	√			
			Debate		1			
	150		Interactive Lecture		V			
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			N 15	MALE WALL				

Designers		
Professional Experts	Higher Institution Experts	Internal Experts
1 <name>, <industry name="">, <email id=""></email></industry></name>	1 <name>, <institution name="">, <email id=""></email></institution></name>	1 Dr. Ishita Chatterjee, Professor, School of Law, SRMIST
2 <name>, <industry name="">, <email id=""></email></industry></name>	2 <name>, <institution name="">, <email id=""></email></institution></name>	2 <name>, SRMIST, <email id=""></email></name>





DISSERTATION CORE FOUNDATION

						Category	Core Practical (P)	L	T	P	C
Code	Code PLCS24403P	Title		DISSERTATION				0	2	20	12
				OUTAGE				0		20	12
				~ ~ (.1121C)							
			32	Course Nature: Practica	1						
		_	1	Assessment Method (Max Mar	rks:100)						
Eı	nd-semester	Asse	ssment Tools	Written- Submission	Presentation		Viva Voce		To	tal	
			Marks	60	20	-1	20		10	0	
			9			0	Total Max Marks		10	0	