

Name of Faculty	:	Faculty of Engineering & Technology
Name of Program	:	Master of Technology (M.Tech.) - Cyber Security
Course Code	:	2MCS05
Course Title	:	Cyber-crimes, Cyber law and IPR
Type of Course	:	Professional Core
Year of Introduction	:	2023-24

Prerequisite	:	Basics of Security and Networking
Course Objective	:	To analyse various types of cybercrime and formulate procedures for real world Cybercrime Investigations.
Course Outcomes	:	At the end of this course, students will be able to:
	CO1	Analyse the criminal activity on the Internet and propose available tools to prevent such activity.
	CO2	To resolve challenges posed to law enforcement agents, policy makers and prosecutors.
	CO3	Identify cybercrime by methods currently available for finding illegal activities on computer and networks.
	CO4	Analyse and protects all categories of data from theft and damage.

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		SEE	CIA	SEE	CIA	Total Marks
4	0	0	4	70	30	00	00	

Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P - Practical, C - Credit, SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Course Content

Unit No.	Topics	Teaching Hours	Weightage	Mapping with CO
1	Introduction Computers and its Impact in Society, Overview of Computer and Web Technology, Need for Cyber Law, Cyber Jurisprudence at International and Indian Level, Cyber Law - International Perspectives UN & International	12	20%	CO1

	Telecommunication Union (ITU) Initiatives Council of Europe - Budapest Convention on Cybercrime, Asia-Pacific Economic Cooperation (APEC), Organization for Economic Co- operation and Development (OECD), World Bank, Commonwealth of Nations.			
2	Constitutional & Human Rights Issues in Cyberspace Freedom of Speech and Expression in Cyberspace, Right to Access Cyberspace - Access to Internet, Right to Privacy, Right to Data Protection, Cyber Crimes & Legal Framework Cyber Crimes against Individuals, Institution and State, Hacking, Digital Forgery, Cyber Stalking/Harassment, Cyber Pornography, Identity Theft & Fraud Cyber terrorism, Cyber Defamation.	12	20%	CO1 CO2
3	Cyber Torts Cyber Defamation, Different Types of Civil Wrongs under the IT Act 2000, Intellectual Property Issues in Cyber Space Interface with Copyright Law, Interface with Patent Law, Trademarks & Domain Names Related issues	12	20%	CO2
4	E-Commerce Concept, E-commerce-Salient Features, Online approaches like B2B, B2C & C2C Online contracts, Click Wrap Contracts, Applicability of Indian Contract Act, 1872. Dispute Resolution in Cyberspace, Concept of Jurisdiction, Indian Context of Jurisdiction and IT Act, 2000. International Law and Jurisdictional Issues in Cyberspace, Dispute Resolutions.	12	20%	CO2 CO3
5	Introduction to Intellectual Property Rights Concept and Theories Kinds of Intellectual Property Rights Economic analysis of Intellectual Property Rights Need for Private Rights versus Public Interests Advantages and Disadvantages of IPR. Criticisms of Intellectual Property Rights Politics of Intellectual Property Rights Third World Criticisms Marxist Criticisms	12	20%	CO2 CO4



Suggested Distribution of Theory Marks Using Bloom's Taxonomy

Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	20	30	30	20	0	0

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Suggested Learning Websites

Sr. No.	Name of Website
1	https://www.britannica.com/topic/cybercrime
2	https://www.techtarget.com/searchsecurity/definition/cybercrime
3	https://en.wikipedia.org/wiki/Cybercrime
4	https://www.fbi.gov/investigate/cyber

Reference Books

Sr. No.	Name of Reference Books
1	Cyber Law Simplified, VivekSood, Pub: TMH
2	Cyber Laws and IT Protection, Harish Chander, Pub:PHI.
3	D.P. Mittal (Taxman Publication), Indian Patents Law and Procedure
4	Cyber Security by Nina Godbole, SunitBelapure Pub: Wiley-India