

WEF Academic Year	: 2021-22
Semester	: 1
Category of the Course	: Program Core Course-I
Course Name & Code	: Cyber Law, Policies and Compliance (4715901)

Prerequisite:

- Computer knowledge, Internetworking concepts.

Rationale:

- The course will explore the knowledge of cybercrime and related laws, related policies, and compliances.
- The course will focus on understanding primarily legal aspects related by cyber laws and cybercrimes and whenever necessary on cyber forensic aspects. Indian Information Technology Act along with certain criminal laws will be analyzed in detail to understand the law framework in this regard.
- The course will also cover Intellectual property issues in cyberspace.

Course Scheme:

Teaching Scheme			Total Credits	Assessment Pattern and Marks				Total Marks
L	T	PR	C	Theory		Practical		
				ESE (E)	PA(M)	ESE (V)	PA (I)	
03	00	02	04	70	30	30	20	150

Course Content:

Sr No	Course Content	No of Hours	%
1	UNIT-I: Introduction Cyberspace, Cybersecurity, Nature of threats, Enabling peoples, Cybercriminals, Cybersecurity Policy, Current cybercrime scenario and challenges.	06	15
2	UNIT-II: Cyber Offenses Categories of Cybercrimes – Active and Passive attacks, How Criminals plan them, Tools and Methods used in cybercrime, Social Engineering, Classification of the cybercrimes	06	15
3	UNIT-III: Cybercrime Legal Perspective Introduction to the Legal Perspectives of Cybercrimes and Cybersecurity, Cybercrime, and the Legal Landscape around the World, The Indian IT Act, Challenges to Indian Law and Cybercrime Scenario in India, Digital Signatures and the Indian IT Act, Cybercrime and Punishment, Cyberlaw, Technology and Students: Indian Scenario	06	15
4	UNIT-IV: Computer Ethics, Privacy & Legislation Computer ethics, moral and legal issues, descriptive and normative claims, Professional Ethics, code of ethics and professional conduct. Privacy, Computers and privacy issue, Digital Evidence Controls, Evidence Handling Procedures, Basics of Indian Evidence ACT, Negotiable Instruments Act 1881(Amended), IPC and CrPC, Electronic Communication Privacy ACT, Legal Policies,	06	15

	legislative background, Computer contracts, liability for defective hardware and software, software contracts, web and hardware contracts, electronic contracts and torts, liabilities.		
5	UNIT-V: Computer Forensic Understanding Computer Forensics: Digital forensic Science, Need for Digital forensic, Cyber Forensic, and digital Evidence and rules of Evidence, Forensics Analysis, Digital Forensic Life Cycle	06	15
6	UNIT-VI: Intellectual property issues in cyberspace Introduction to intellectual property, WIPO, computer software copyrights, copyright in databases and electronic publishing, the law of confidence, product designs, international law, Copyright, Trade Secrets, Trademarks, Patents, Design, protection of intellectual property, Protection options – Encryption, copyright on web-content, copyright on software. Ethical Decision Making: Types of ethical choices, making defensible decisions.	06	15
7	UNIT-VII: Current Trends The latest development in the cyber laws, policies and rules	04	10

Reference Book:

1. Sunit Belapure and Nina Godbole, Cyber Security: Understanding Cyber Crimes, Computer Forensics and Legal Perspectives, Wiley India Pvt. Ltd, 2011.
2. Mark F Grady, Francesco Parisi, "The Law and Economics of Cyber Security", Cambridge University Press, 2006
3. Understanding Cybercrime: Phenomena, and Legal Challenges Response, ITU 2012
4. Jonathan Rosenoer, "CyberLaw: The law of the Internet", Springer-Verlag, 1997.

Course Outcome:

After completion of the Course, Students will be able to:

No	Course Outcomes	RBT Level*
01	Classify various cybercrimes, the motivation behind them and the overall global perspective of cybercrime.	UN
02	Differentiate modern cyber-attacks along with the need for digital forensic	AN
03	Analysis of cyber laws and interpretation	AN
04	Apply diverse viewpoints to ethical dilemmas in the information technology field and recommend appropriate actions.	AP
05	Ensure the Intellectual property issues in the cyberspace	AP

\*RM: Remember, UN: Understand, AP: Apply, AN: Analyze, EL: Evaluate, CR: Create

Suggested Course Practical List:

- The practical work will be carried out based on the content covered during the academic sessions.

List of Laboratory/Learning Resources Required:

- Course-related online MOOCs on NPTEL/SWAYAM platform
- <https://www.meity.gov.in/content/cyber-laws>
- Recently Published papers/articles in reputed journals