

Course Objective: The purpose is to understand the basics of cyber security, laws, and related issues.

S. NO**Course Outcomes (CO)****CO1**

To explain the information on cyber security and understand the issues that are specific to amendment rights.

CO2

Examine the risks and legal implications of copyright issues, internet infringement, privacy rights, and related constitutional and federal statutes.

CO3

Understand duty of care, criminal liability, procedural issues, and the legal framework surrounding electronic contracts, digital signatures, and civil rights.

CO4

Assess the ethical implications and societal impacts of cyber security, with a focus on legal developments, case studies, and the evolution of cyber law from the late 1990s to 2000.

S. NO	Contents	Contact Hours
UNIT 1	The World Wide Web, Web Centric Business, E Business Architecture, Models of E Business, E Commerce, Threats to virtual world. Cyber Crimes & social media, Cyber Squatting, Cyber Espionage, Cyber Warfare, Cyber Terrorism	7
UNIT 2	Computer ethics, moral and legal issues, descriptive and normative claims, Professional Ethics, code of ethics and professional conduct. Privacy, Computers and privacy issue.	8
UNIT 3	Web Servers and Browsers, HTTP, Cookies, Caching, Plug-in, ActiveX, Java, JavaScript, Secure Socket Layer (SSL), Secure Electronic Transaction (SET). E-mail Risks, Spam, E-mail Protocols, Simple Mail Transfer Protocol (SMTP), Post office Protocol (POP), Internet Access Message protocol (ICMP). Secured Mail Protocols	10
UNIT 4	Copyrights, Jurisdiction Issues and Copyright Infringement, Multimedia and Copyright issues, WIPO, Intellectual Property Rights, Understanding Patents, Understanding Trademarks, Trademarks in Internet, Domain name registration, Software Piracy, Legal Issues in Cyber Contracts, Authorship, Document Forgery.	8
UNIT 5	Indian IT ACT, Adjudication under Indian IT ACT, IT Service Management Concept, IT Audit standards, System audit, Information security audit, ISMS, SoA (Statement of Applicability), BCP (Business Continuity Plan), DR (Disaster Recovery), RA (Risk Analysis/Assessment).	9
	TOTAL	42

REFERENCES

S.No.	Name of Books/Authors/Publishers	Year of Publication / Reprint
1	Jonathan Rosenoer. "Cyber Law: The law of the Internet", Springer-Verlag.	1997
2	Mark F Grady. FransescoParisi, "The Law and Economics of Cyber Security", Cambridge University Press, 2006	2006

B.Tech. Information Technology

Course code: Course Title	Course Structure			Pre-Requisite
Malware Analysis	L	T	P	-
	3	1	0	

Course Objective: To introduce fundamentals of malware and to set up a protected static and dynamic