

## Course related to Professional Ethics

Sem.	Course Code	SKILL BASED SUBJECT IV: CYBER SECURITY AND LAW	Total Marks: 75		Hours Per Week	Credits
			CIA: 20	ESE: 55		
V	17UAEST610				3	3

**Objective:** To give awareness of safe transactions through internet and cyber laws.

**Course Outcome (CO):** On successful completion of the course, the students will

- CO1: Remember the concepts of cyberspace and threats.
- CO2: Understand the techniques of IP address and Hackers tools.
- CO3: Apply the values in making safe online Shopping.
- CO4: Analyze the Various Laws in cyber crime.
- CO5: Evaluate the methods involved in Investigation.

### Unit I

Cyberspace: Meaning - Difference between Real Space and Cyberspace - Concept of Digital Identity - Architecture of Cyberspace. Cyber Security: Introduction - Survey of Malware - Protect your turf - Viruses - Worms - Trojan Horses – Bot Networks - Social Engineering - Avoiding Malware - Spyware - Adware - Keyboard Loggers - Rogue Software and Spyware - Ransomware - Current and Future Threats.

### Unit II

Hackers - IP Address - Hacker Tools - Computer Security Personnel (White Hats) - E-mail and SPAM - Spoofing - Social Engineering - Keeping SPAM out of the Inbox - SPIM – Cyber Bullying - Online Reputation Attacks - Reputation Management - Protecting from Cyber Bullying.

### Unit III

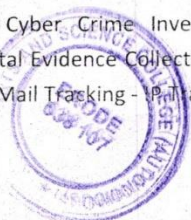
Phishing - Recognizing a Phishing Trip - Online Shopping Basics - Shopping Problems - Ensuring Safe Shopping - Cookies - Choosing Browser - Understanding the Plug-in Predicament.

### Unit IV

Introduction to IT laws & Cyber Crime Laws, Investigation and Ethics: Cyber Crime - Information Security and Law - Types & overview of Cyber Crimes - Cyber Law Issues in E-Business Management. Overview of Indian IT Act - National Cyber Security Policy 2013 - Ethical Issues in Intellectual Property Rights - Copy Right – Patents - Data Privacy and Protection - Domain Name - Software Piracy.

### Unit V

Introduction to Cyber Crime Investigation - Cyber Forensics - Investigation Tools – eDiscovery - Digital Evidence Collection – Digital Signature - Evidence Preservation - E-Mail Investigation - E-Mail Tracking - IP Tracking - E-Mail Recovery.



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**TEXT BOOK:**

- Suresh T.Viswanathan, "The Indian Cyber Law", Bharat Law House, New Delhi, 2015.

**WEB REFERENCES:**

3. <http://www.iibf.org.in/documents/Cyber-Laws-chapter-in-Legal-Aspects-Book.pdf>
4. <http://meity.gov.in> – Ministry of Electronics & Information Technology.

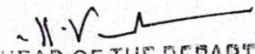
**REFERENCE BOOKS:**

- Rajaraman, Introduction to information Technology, PHI, New Delhi, 2013.
- Jyoti Rattan, Cyber Law & Information Technology, Bharat Law House, New Delhi, 2015.
- Sharma Vakul, Hand book of cyber law, Landmark books, New Delhi, 2016.
- Yatindra Singh Justice, "Cyber Laws", Fourth edition, 2011.
- Sood Vivek, "Cyber Laws Simplified", TataMcGrawHill,2001.

QUESTION PAPER PATTERN		
SECTION - A	SECTION - B	SECTION - C
10 x 1 = 10 Marks (Multiple Choice, Four options) Two questions from each unit	5 x 3 = 15 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks (Answer any three Questions) One Question from each unit



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