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

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	**5 x 3 = 15 Marks**	**3 x 10 = 30 Marks**
(Multiple Choice, Four options)	(Either or choice)	(Answer any three Questions)
Two questions from each unit	Two questions from each unit	One Question from each unit