	18CSPE703 CYBER FORENSICS	L	Т	Р	С
		3	0	0	3
Cour	se Objectives:		1		
1.	To acquire the knowledge computer forensics				
2.	To familiarize the forensics tools				
3.	To analyze and validate forensics data				
4.	To gain the knowledge of ethical hacking techniques				
UNIT	I INTRODUCTION TO COMPUTER FORENSICS		9	+	0
Introd meth	luction to Traditional Computer Crime, Traditional problems associated with luction to Identity Theft & Identity Fraud. Types of CF techniques - Incident and odology - Forensic duplication and investigation. Preparation for IR: Creating respo Forensics Technology and Systems - Understanding Computer Investigation – Data	l incidei nse too	nt r I ki	espo t and	nse
UNIT	II EVIDENCE COLLECTION AND FORENSICS TOOLS		9	+	0
	essing Crime and Incident Scenes – Working with Windows and DOS Systems, nsics Tools - Software/ Hardware Tools.	Current	t C	ompi	uter
UNIT	III ANALYSIS AND VALIDATION		9	+	0
	ating Forensics Data – Data Hiding Techniques – Performing Remote Acquisition – N I Investigations – Cell Phone and Mobile Devices Forensics.	etwork	For	ensio	s –
UNIT	IV ETHICAL HACKING		9	+	0
	luction to Ethical Hacking - Foot-printing and Reconnaissance - Scanning Network m Hacking - Malware Threats – Sniffing.	s - En	ume	eratio	n -
-,	THI Hacking - Maiware Theats - Shining.				,,,,
UNIT			9	+	0
UNIT		g Web <i>F</i>	9		0
UNIT Socia – SQ	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking L Injection - Hacking Wireless Networks - Hacking Mobile Platforms.	g Web /	9	 licati	0 ons
UNIT Socia – SQ	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking L Injection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes:		9	 licati	0 ons
UNIT Socia – SQ Cour	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking L Injection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to		9	 licati	0 ons
UNIT Socia Socia Socia Cour At the	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Linjection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to : Acquire the basics of computer forensics		9	 licati	0 ons
Cour At the	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Linjection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to : Acquire the basics of computer forensics : Apply different computer forensic tools to a given scenario		9	 licati	0 ons
Cour At the	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Linjection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to : Acquire the basics of computer forensics : Apply different computer forensic tools to a given scenario : Analyze and validate forensics data		9	 licati	0 ons
Cour At the	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Linjection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to : Acquire the basics of computer forensics : Apply different computer forensic tools to a given scenario		9	 licati	0 ons
Cour At the CO1 CO2 CO3 CO4	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Linjection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to : Acquire the basics of computer forensics : Apply different computer forensic tools to a given scenario : Analyze and validate forensics data		9	 licati	0 ons
Cour At the CO1 CO2 CO3 CO4 Text	V ETHICAL HACKING IN WEB Il Engineering - Denial of Service - Session Hijacking - Hacking Web servers - Hacking Linjection - Hacking Wireless Networks - Hacking Mobile Platforms. To se Outcomes: e end of the course students will be able to : Acquire the basics of computer forensics : Apply different computer forensic tools to a given scenario : Analyze and validate forensics data : Implement real-world hacking techniques to test system security	etal (L)=	9	 licati	0 ons

Ref	Reference Books:		
1.	John R.Vacca,"Computer Forensics", Cengage Learning, 2005		
2.	Marjie T.Britz, "Computer Forensics and Cyber Crime": An Introduction", 3 rd Edition, Prentice Hall, 2013.		
3.	AnkitFadia "Ethical Hacking" Second Edition, Macmillan India Ltd, 2006.		
4.	Kenneth C.Brancik "Insider Computer Fraud "Auerbach Publications Taylor & amp; Francis Group-2008.		