

CYBER SECURITY



Introduction to Cybercrime

- Definition and History
- Cybercrime and Information Security
- Who are Cybercriminals and their classifications
- The Legal Perspectives
- An Indian Perspective
- Cybercrime and the Indian ITAct 2000
- A Global Perspective on Cybercrimes
- Survival for the Netizens
- Concluding Remarks and Way Forward to Further Chapters

Cyberoffenses

- How Criminals Plan the Attacks
- Social Engineering
- Cyberstalking
- Cybercafe and Cybercrimes
- Botnets
- Attack Vector
- Cloud Computing

Cybercrime and Wireless Devices

- Proliferation of Mobile and Wireless Devices
- Trends in Mobility
- Credit Card Frauds in Mobile and Wireless Computing Era
- Security Challenges Posed by Mobile Devices
- Registry Settings for Mobile Devices
- Authentication Service Security
- Attacks on Mobile/Cell Phones
- Security Implications for Organizations
- Organizational Measures for Handling Mobile
- Organizational Security Policies and Measures in Mobile Computing Era
- Laptops

Tools and Methods Used in Cybercrime

- Proxy Servers and Anonymizers
- Phishing
- Password Cracking
- Keyloggers and Spywares
- Virus and Worms
- Trojan Horses and Backdoors
- Steganography
- DoS and DDoS Attacks
- SQL Injection
-
-

- Buffer Overflow
- Attacks on Wireless Networks

Phishing and Identity Theft

- Phishing
- Identity Theft (ID Theft)

The Legal Perspectives

- Cybercrime and the Legal Landscape around the World
- Cyberlaws in India
- The Indian IT Act
- Challenges to Indian Law and Cybercrime Scenario in India
- Consequences of Not Addressing the Weakness in Information Technology Act
- Digital Signatures and the Indian IT Act
- Amendments to the Indian IT Act
- Cybercrime and Punishment

Computer Forensics

- Historical Background of Cyberforensics
- Digital Forensics Science
- The Need for Computer Forensics
- Cyberforensics and Digital Evidence
- Forensics Analysis of E-Mail
- Digital Forensics Life Cycle
- Chain of Custody Concept
- Network Forensics
- Approaching a Computer Forensics Investigation
- Setting up a Computer Forensics Laboratory
- Computer Forensics and Steganography
- Relevance of the OSI 7 Layer Model to Computer Forensics
- Forensics and Social Networking Sites
- Computer Forensics from Compliance Perspective
- Challenges in Computer Forensics
- Special Tools and Techniques
- Forensics Auditing
- Antiforensics

Forensics of Hand-Held Devices

- Understanding Cell Phone Working Characteristics
- Hand-Held Devices and Digital Forensics
- Toolkits for Hand-Held Device Forensics
- Forensics of iPods and Digital Music Devices
- An Illustration on Real Life Use of Forensics
- Techno-Legal Challenges with Evidence from Hand-Held Devices
- Organizational Guidelines on Cell Phone Forensics

Cybersecurity and Organizations

- Cost of Cybercrimes and IPR Issues
- Web Threats for Organizations
- Security and Privacy Implications from Cloud Computing
- Social Media Marketing
- Social Computing and the Associated Challenges for Organizations
- Protecting People's Privacy in the Organization
- Organizational Guidelines for Internet Usage

- Safe Computing Guidelines and Computer Usage Policy
- Incident Handling
- Forensics Best Practices for Organizations
- Media and Asset Protection
- Importance of Endpoint Security in Organizations

Cybercrime and Cyberterrorism

- Intellectual Property in the Cyberspace
- The Ethical Dimension of Cybercrimes
- The Psychology, Mindset and Skills of Hackers and Other Cybercriminals
- Sociology of Cybercriminals
- Information Warfare

Cybercrime Case Study

- Real-Life Examples
- Mini-Cases
- Illustrations of Financial Frauds in Cyber Domain
- Digital Signature-Related Crime Scenarios
- Digital Forensics Case Illustrations
- Online Scams

Partners :



Java

DUCAT
The IT Training School

E-mail: info@ducatindia.com
Visit us: www.ducatinidia.com
www.facebook.com/ducateducation

NOIDA

A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
☎ 70-70-90-50-90
☎/📠 +91 99-9999-3213

2.0 NOIDA SEC-63

H-43 Sector-63
Noida-201301
☎ 70-70-90-50-90
☎/📠 +91 7042175774

GHAZIABAD

1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
☎ 70-70-90-50-90
+91 9810851363

PITAMPURA (DELHI)

Plot No. 366, 2nd Floor,
Kohat Enclave, Pitampura,
(Near- Kohat Metro Station)
Above Allahabad Bank,
New Delhi- 110034.
☎ 70-70-90-50-90

SOUTH EXTENSION (DELHI)

D-27, South Extension-1
New Delhi-110049
☎ 70-70-90-50-90
☎ +91 98-1161-2707

GURGAON

1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
☎ 70-70-90-50-90