

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/301894978>

CYBER LAW AND INFORMATION SECURITY

Book · September 2013

CITATIONS

0

READS

23,471

1 author:

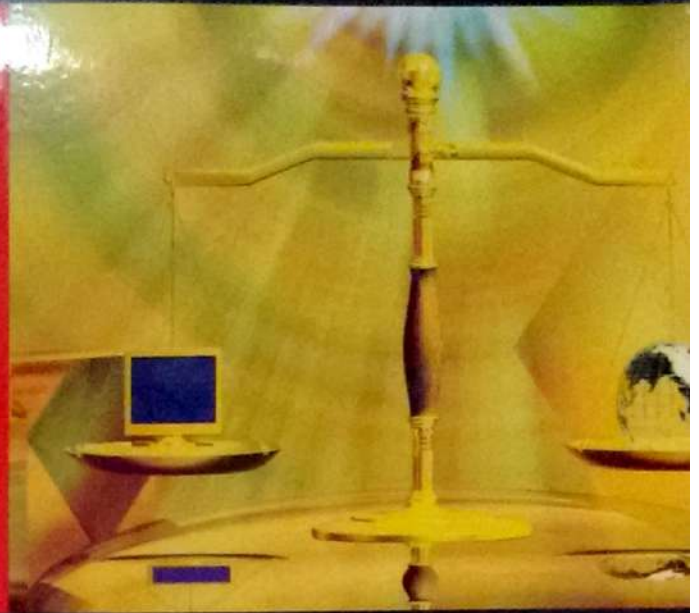


[Faiyaz Ahamad](#)

Integral University

8 PUBLICATIONS 13 CITATIONS

SEE PROFILE



Cyber Law and Information Security



CSL
005.8
FAI/C
084151

The book covers:

- » Fundamentals of Cyber Law
- » E-Commerce
- » Digital Signatures
- » Investigation of Cyber Crime
- » Internet Security
- » Certifying Authorities
- » Information Security
- » Cryptography
- » Basic Concepts of Network Security
- » Virtual Private Network (VPN)
- » Concept of Networking

KOGENT
Learning Solutions Inc.

Faiyaz Ahamad

dreamtech
ENGINEERING TEXTBOOKS

Cyber Law and Information Security

Written in an easy and descriptive manner, the Cyber Law and Information Security book touches almost every important aspect of cyber law and need of information security, such as what is cyber law and how is it used to deal with cyber crimes, fundamental concepts of e-commerce (including models and generations of e-commerce, advantages of e-commerce, e-governance and EDI, e-cash, e-payment, and security threats), ethical issues in data and software privacy, Internet security threats, digital signatures, information security, cryptography, VPN, and networking. The book provides lots of examples in an easy-to-understand language along with exercises at the end of each chapter.

In this book, you learn about:

- Need of cyber law, objective and scope of the IT Act 2000, Indian Cyber Law, Uncitral Model Law
- Intellectual property issues and cyber space, overview of intellectual property related to legislation in India, patents, copyrights, trademarks, law related to semiconductor layout and design
- Fundamentals of e-commerce, security threats to e-commerce, virtual organization, business transactions on Web, e-governance and EDI, concepts in electronic payment systems, e-cash, credit/debit cards, e-agreement, legal recognition of electronic and digital records, e-commerce, and issues of privacy
- Physical security and its need, disaster management and control, basic tenets of physical security, and physical entry controls statements
- Access control, biometrics, factors in biometric system, criteria for selection of biometric, design issues in the biometric system, interoperability issues, economic and social aspects, legal challenges
- Digital signatures and technical issues, legal issues, electronic records, digital contracts, requirements of the digital signature system
- Cyber crime, cyber jurisdiction, cyber crime and evidence act, treatment of cyber crime in different countries, ethical issues in data and software privacy, plagiarism, pornography, tampering computer documents
- Internet security threats such as hacking, cracking, viruses, trojan horse, malicious code, and logic bombs
- Certifying authorities and their need, appointment, function of controller, generation, suspension, and revocation
- Information systems and its importance, role of security in Internet and Web services, principles of information security, classification of threats and attacks, security challenges, security implication for organizations
- Introduction to cryptography, issues in documents security, public key, private key, firewalls
- Basic concepts of network security, perimeters of network protection and network attack, need of intrusion monitoring, and detection
- VPN, tunneling VPN, types of VPN and their usage, security concerns in VPN
- Concept of networking, IP addressing and subnetting, DNS, DHCP, bootp, active directory, IIS, NAT, WSUS, exchange server, ISA, wireless network, and Mobile IP

About the Authors

Faiyaz Ahmad is currently working as the Assistant Professor at the Department of Computer Science and Information Technology, Integral University, Lucknow (U.P.), India. Prof. Ahmad holds a Masters degree in Information Technology, and is also pursuing his Doctorate from the BBD University, Lucknow. His areas of interest include software engineering, software testing, software architecture, databases, data warehousing and mining, computer simulation and modeling, management information system, and SOA.

He has more than 10 years of teaching experience and has also worked as a compliance officer. He did his training for two months in NTPC, Shakti Nagar, Sonbhadra, U.P. and has co-authored six publications—An Efficient and Scalable Design of Service Discovery Scheme for Wireless Mesh Network, A Language Independent Approach to Develop Urdu Stemmer, Secure Key Pre Distribution in Wireless Sensor Networks Using Combinatorial Design and Traversal Design Based Key Distribution, Scalable Design of Service Discovery Mechanism for Ad-hoc Network Using Wireless Mesh Network, Encrypting Data Using the Features of Mimetic Algorithm and Cryptography, and Service Discovery Mechanism for WLAN.

The proficient teams at **Kogent Learning Solutions Inc.** and **Dreamtech Press** have seized the market of engineering textbooks, bringing excellent content in engineering and technical education to the fore. These teams are committed to providing excellence in the quality of content by judiciously analyzing the needs of their readers and ensuring dedication of their authors and editors in catering to these needs.

CATEGORY:
Engineering

USER LEVEL:
Beginner to Intermediate

₹ 299/-

978-93-5119-200-8



9 789351 192008

Published by:

dreamtech
PRESS

19-A, Ansari Road, Daryaganj, New Delhi-110019

Tel.: 91-11-43551180, 23243463, 23243473

Fax: 91-11-23243078

Email: feedback@dreamtechpress.com

www.dreamtechpress.com

Blog: http://dreamtechpress.wordpress.com

DREAMTECH
ENGINEERING TEXTBOOKS