

BOOK REVIEW

Securing IT Infrastructure – A Complete Solution

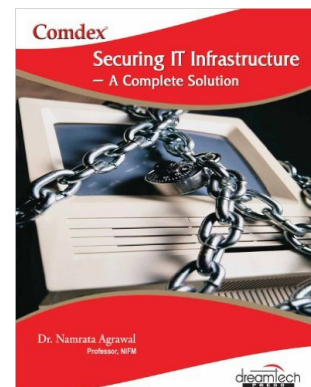
Namrata Agrawal

Ritesh Saxena

Assistant Professor (IT),
Programme Director – PGDM (IT),
AIMA-CME, New Delhi, ritesh224@gmail.com

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- It focuses on the risks and vulnerabilities associated with a computer system due to weak security measures. File systems, Local Security Policies, Tools to Secure Desktop has been exhaustively dealt
- It describes the functions of Operating System and vulnerabilities related to it. The steps to harden the Windows OS are supported by several images/clips to augment the understanding of the concepts. The risks and vulnerabilities related to various ports have been also explained.
- It discusses Computer Networking, Internet, Internet Protocol (IP), and Email Attacks, Spoofing and risks and vulnerabilities associated in a networked environment. LAN Security Tools and Network Vulnerability Scanners have been discussed in a stepwise manner supported by illustrations.
- It discusses various types of malicious codes like – Virus, Malware, Spyware, Adware, Worms, Trojans, and Key Loggers etc. A list of free online Antivirus Scans has been provided followed by the precautionary steps.

- It deals with cryptography and Public Key Infrastructure. Introduces Hashing Algorithms and the encryption methods (Symmetric Key and Public Key Encryption). Discusses the concept and need of Digital Signature Certificates, Certifying Authority and Public Key Infrastructure Tools.
- It primarily focuses on various hacker exploits and its counter measures. Describes various types of Network Attacks like Spoofing, Sniffing, Mapping, Hijacking, Trojans, DOS, and DDOS etc. Also discusses Web and Network Security through SSL, IPSec, VPN, Firewalls etc.
- Discusses about Cyber Crimes, its types and motive behind Cyber Crimes. Select Cases of Cyber Crimes have been discussed.
- Introduces Information System Audit, Professional Standards for Audits, Information System Audit and Control Association, Need for Information System Auditor, Objectives of Information System(IS) Audit, Information System Audit versus Conventional Audit, Information System Control Objectives, Phases of Information System Audit and finally the Information System Checklist.

Review

Dr. Agrawal, an ex-faculty member of Motilal Nehru National Institute of Technology, Allahabad has more than 20 years of teaching, research & consultancy experience in the field of IT. She has published 20 research papers in refereed National and

International journals and has authored best selling books under Wiley Publication. She has presented 30 papers in National and International Conferences. She was invited as Speaker in India e-Government Seminar 2005 organised by Times Group, IBM, SAP, Ariba in 2005. She was awarded Best Paper Award in the International Conference organized by University of Maryland (ES), USA. She has been actively associated with various consultancy assignments: Consultancy on “Inventory Assessment and Management for the Custodian of Enemy Property”, Ministry of Home Affairs, Government of India; “Analysis of Systems and Rationalization of Manpower and Systems in Respect of Delhi Vidyut Board Employee’s Terminal Benefit Fund Trust” for Delhi Vidyut Board; “Change over to Computerized Accrual System of Accounting” for Indira Gandhi National Open University, a Central University of India. She was also a member of NIFM’s consulting team to Royal Institute of Management, Government

of Bhutan. She has organized International Conference in collaboration with University of Maryland (ES), USA and has conducted International programmes for University of Ljubljana, Europe; Asian Development Bank and programmes under TCS of Colombo Plan. She was the faculty coordinator to facilitate MOU of NIFM with Manchester Metropolitan University, Manchester, UK; Universiti Utara Malaysia, Kedah, Malaysia, and was member of the delegation to facilitate MOU of NIFM with Asian Institute of Management, Manila, Philippines, Royal Institute of Public Administration, London. She is the Member of Advisory Board of “The Modern Technology and Management Institute, USA” and International Membership of “Network of Asia Pacific Schools and Institutes of Pacific Administration and Governance”. She has a vast International exposure that includes USA, UK, Europe (Republic of Slovenia, Italy, Austria), Philippines and Sri Lanka.