

CYBER SECURITY AWARENESS AND DATA PROTECTION TOOLS

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P R E F A C E

The aim of writing book on “**CYBER SECURITY AWARENESS AND DATA PROTECTION TOOLS**” to provide understanding and awareness on various data, information related threats in cyber space and its protection tools. The book uses plain and lucid language to explain the topics and each chapter is well supported with necessary examples and diagrams. The book is useful for B.E. CSE/IT, M.Tech. Cyber security, MCA, BCA, PG Diploma in Cyber Security, B.Sc C.S., M.Sc. Cyber Security students and also useful for those persons who are interested in knowing about cyber security issues and data protection tools in cyberspace. The book is organized in six chapters:

Chapter-1 defines basics of Cyber Security, threats in Cyber Security, Principle of Cyber Security, Cyber Security issues for Business, Social Networking sites and its application in Education.

Chapter-2 It covers basics of Viruses, Propagation vectors of Viruses, Symptoms of Viruses and its impact on information technology system.

Chapter-3 defines antivirus program, its working process, how can a virus fool an antivirus program. It also describes the name of some popular antivirus software.

Chapter-4 deals with performance parameter to check quality of an antivirus program.

Chapter-5 defines various security models and firewalls.

Chapter-6 defines intellectual property and its various protection tools.

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