

INFORMATION ARCHITECTURE & SECURITY

1. Principles of Information Security, Security Threats, risks, physical security of computer, hardware security.
2. Data preservation : Information Systems analysis for security of database system and techniques of access control.
3. Software security: encryption, decryption, basic cryptography, firewalls, digital certificates, digital signatures, security algorithms like RSA,DSA,DES etc.
4. Security in in E-Commerce application: Web server security, security in computer networks and distributed systems, security protocols, virtual private networks, security in mailing systems. Shareware.

Books recommended:

Jae K Shin , Anique A Qureshi, J G Siegel, "computer Security", HPD

D Gollman "Computer Security" John Wiley and Sons