

ETHICAL HACKING

UNIT-I

Casing the Establishment - What is footprinting- Internet Footprinting. -Scanning-Enumeration - basic banner grabbing, Enumerating Common Network services. Network Security Monitoring Securing permission - Securing file and folder permission. Using the encrypting file system. Securing registry permissions. Securing service- Managing service permission. Default services in windows 2000 and windows XP.

UNIT-II

Dial-up, PBX, Voicemail, and VPN hacking Wireless Hacking - Wireless Foot printing. Wireless Scanning and Enumeration. Gaining Access. Tools that exploiting WEP Weakness. Denial of Services Attacks. Firewalls- Firewalls landscape- Firewall Identification-Scanning Through firewalls- packet Filtering- Application Proxy Vulnerabilities. Unix and Windows DoS. Social Engineering. Web Hacking. Hacking the internet User - Malicious Mobile code, SSL fraud, E-mail Hacking, IRC hacking, Global Counter measures to Internet User Hacking.

REFERENCES:

1. Stuart McClure, Joel Scambray and Goerge Kurtz, "Hacking Exposed Network Security Secrets & Solutions", Tata Mcgrawhill Publishers, 2010.
2. Bensmith, and Brian Komer, "Microsoft Windows Security Resource Kit", Prentice Hall of India
3. Joseph M Kizza, "Computer Network Security", Springer Verlag, 2005.
4. Swiderski, Frank and Syndex, "Threat Modeling", Microsoft Press, 2004.
5. Computer Forensics: Investigating Network Intrusions and Cyber Crime (Ec-Council Press Series: Computer Forensics) , 2010.
6. Cyber Forensics: Understanding Information Security Investigations (Springer's Forensic Laboratory Science Series) by Jennifer Bayuk