

Syllabus

Cyber Security Certification Course (30 Hours) Certification Course

Unit 1 : INTRODUCTION TO ETHICAL HACKING

- Understanding Information Security Threats and Attack Vectors
- Overview of Hacking Concepts, Types, and Phases
- Overview of Penetration Testing
- Understanding the Elements of Information Security

Unit 2: INFORMATION GATHERING

- Understanding Footprinting Concepts
- Footprinting through Search Engines and Advanced Google Hacking Techniques
- Footprinting through Web Services and Social Networking Sites
- Understanding Websites Footprinting,
- Understanding WHOIS, DNS

Unit 3 : SOCIAL ENGINEERING

- Understanding Social Engineering Concepts
- Understanding various Social Engineering Techniques
- Understanding Insider Threats
- Understanding Impersonation on Social Networking Sites
- Understanding Identity Theft

Unit 4 :DOS & DDOS (DENIAL OF SERVICE ATTACK)

- Overview of Denial-of-Service (DoS) and Distributed Denial-of-Service (DDoS) Attacks
- Understanding Different DoS/DDoS Attack Techniques
- Understanding Various DoS and DDoS Attack Tools
- Understanding Different Techniques to Detect DoS and DDoS Attacks

Unit 5: SYSTEM HACKING (HACKING WINDOWS 10)

- Overview of Ethical Hacking Methodology
- Understanding Techniques to Gain Access to the System
- Understanding Privilege Escalation Techniques
- Understanding Techniques to Create and Maintain Remote Access to the System
- Overview of Stenography and Steganalysis Techniques
- Understanding IDS, Firewalls, and Honeypots Concepts

Unit 6: MOBILE HACKING

- Understanding Mobile Platform Attack Vectors
- Understanding various Mobile Spyware
- Technique to compromise a mobile device


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PRINCIPAL