

Ethical Hacking 6-Weeks

Introduction to Ethical Hacking

- Hacking Concepts
 - Hacking vs. Ethical Hacking
 - Effects of Hacking on Business
 - Who Is a Hacker?
 - Hacker Classes
 - Hacktivism
- Hacking Phases
- Types of Attacks
 - Types of Attacks on a System
 - Operating System Attacks

Information Gathering

- Footprinting
 - Footprinting Concepts
 - What is Footprinting?
 - Why Footprinting?
 - Objectives of Footprinting
- Reconnaissance
 - Reconnaissance Concepts
 - WHOIS Lookup
- DNS Interrogation
 - Extracting DNS Information
 - DNS Interrogation Tools

Introduction to Linux/Kali Linux/Backtrack

- Introduction
- Basic Commands
- Exploit Tools

Scanning Networks

- Overview of Network Scanning
- Scanning Techniques
 - Ping sweep
 - Check for Open Ports
 - Scanning Tool: Nmap

Steganography

- Image Hiding
- Data Hiding

System Hacking

- System Hacking: Goals
- Password Cracking
- Password Complexity
- Password Cracking Techniques
- Types of Password Attacks

Trojans ,Viruses and Worms

- Trojan Concepts
- Difference b/w Trojan, Viruses and Worms
- Types Of Trojans

Sniffers

- Sniffing Concepts
- How a Sniffer Works
- Types of Sniffing Attacks

Social Engineering

- What is Social Engineering?
- How can it be used?
- Types Of Social Engineering

Denial of Service

- DoS/DDoS Concepts
- DoS Attack Techniques
- Botnet

Session Hijacking

- Session Hijacking Concepts
- Brute Forcing Attack
- Man-in-the-Middle Attack

Hacking Webservers

- Webserver Concepts
- Webserver Attacks
- Webserver Attack Tools

Email Hacking

- Email Concept
- What is Email Hacking
- Phishing Script

Email Hacking

- What is SQL injection
- Exploiting the weakness of server
- SQL Injection Scripts

Hacking Wireless Networks

- Wireless Concepts
- Wireless Networks
- Wireless Hacking Tools

Evading IDS, Firewalls, and Honeypots

- IDS, Firewall and Honeypot Concepts
- How IDS Works?
- Types of Intrusion Detection Systems
- Firewall
- Honeypot
 - Types of Honeypots
 - How to Set Up a Honeypot?

Buffer Overflow

- Buffer Overflow Concept
- Introduction to Metasploit
- How to Buffer Overflow With Metasploit

Google Hacking

- What is Google?
- Google Tricks and Basic Hacks

Penetration Testing

- Pen Testing Concepts
- Pen Testing Techniques
- Vulnerability Assessment
- Pen Testing Phases

Project