

ANSH INFOTECH

Development | Training | Consultancy
An ISO Certified company 9001:2015

Course Name – **CEH**

Category – **Professional**

Duration - **2 Months**

COURSE CONTENT

Introduction to Ethical Hacking

- Information Security Overview
- Information Security Threats and Attack Vectors
- Hacking Concepts
- Ethical Hacking Concepts
- Information Security Controls

Footprinting and Reconnaissance

- Penetration Testing Concepts
- Information Security Laws and Standards
- Footprinting Concepts
- Footprinting through Search Engines
- Footprinting through Web Services
- Footprinting through Social Networking Sites
- Website Footprinting
- Email Footprinting
- Competitive Intelligence
- Whois Footprinting
- DNS Footprinting
- Network Footprinting
- Footprinting Through Social Engineering
- Footprinting Tools
- Footprinting Countermeasures
- Footprinting Penetration Testing

Scanning Networks

- Network Scanning Concepts
- Scanning Tools
- Scanning Techniques
- Scanning Beyond IDS and Firewall
- Banner Grabbing
- Draw Network Diagrams
- Scanning Pen Testing

Enumeration

- Enumeration Concepts
- NetBIOS Enumeration

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- SANP Enumeration
- LDP Enumeration
- SMTP and DNS Enumeration
- Other Enumeration Techniques
- Enumeration Countermeasures
- Enumeration Pen Testing

Vulnerability Analysis

- Vulnerability Assessment Concepts
- Vulnerability Assessment Solutions
- Vulnerability Scoring Systems
- Vulnerability Assessment Tools
- Vulnerability Assessment Reports

System Hacking

- System Hacking Concepts
- Cracking Passwords
- Escalating Privileges
- Executing Applications
- Hiding Files
- Covering Tracks
- Penetration Testing

Malware Threats

- Malware Concepts
- Trojan Concepts
- Virus and Worm Concepts
- Malware Analysis
- Countermeasures
- Anti-Malware Software
- Malware Penetration testing

Sniffing

- Sniffing Concepts
- Sniffing Technique: MAC Attacks
- Sniffing Technique: DHCP Attacks
- Sniffing Technique: ARP Poisoning
- Sniffing Technique: Spoofing Attacks
- Sniffing Technique: DNS Poisoning
- Sniffing Tools
- Countermeasures
- Sniffing Detection Techniques
- Sniffing Pen Testing

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Social Engineering

- Social Engineering Concepts
- Social Engineering Techniques
- Insider Threats
- Impersonation on Social Networking Sites
- Identity Theft
- Countermeasures
- Social Engineering Pen Testing

Denial-of-Service

- DoS/DDos Concepts
- DoS/DDos Attack Techniques
- Botnets
- DDoS Case Study
- DoS/DDos Attack Tools
- Countermeasures
- DoS/DDos Protection Tools
- DoS/DDos Penetration Testing

Session Hijacking

- Session Hijacking Concepts
- Application Level Session Hijacking
- Network Level Session Hijacking
- Session Hijacking Tools
- Countermeasures
- Penetration Testing

Evading IDS, Firewalls, and Honeypots

- IDS, Firewall and Honeypot Concepts
- IDS, Firewall and Honeypot Solutions
- Evading IDS
- Evading Firewalls
- IDS/Firewall Evading Tools
- Detecting Honeypots
- IDS/Firewall Evasion Countermeasures
- Penetration Testing

Hacking Web Servers

- Web Server Concepts
- Web Server Attacks
- Web Server Attacks Methodology
- Web Server Attack Tools
- Countermeasures
- Patch Management

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- Web Server Security Tools (Day 13)
- Web Server Pen Testing (Day 13)

Hacking Web Applications

- Web App Concepts
- Web App Threats
- Hacking Methodology
- Web App Hacking Tools
- Countermeasures
- Web App Security Testing Tools
- Web App Pen Testing

SQL Injection

- SQL Injection Concepts
- Types of SQL Injection
- SQL Injection Methodology
- SQL Injection Tools
- Evasion Techniques
- Countermeasures

Hacking Wireless Networks

- Wireless Concepts
- Wireless Encryption
- Wireless Threats
- Wireless Hacking Methodology
- Wireless Hacking Tools
- Bluetooth Hacking
- Countermeasures
- Wireless Security Tools
- Wireless Pen Testing

Hacking Mobile Platforms

- Mobile Platform Attack Vectors
- Hacking Android OS
- Hacking iOS
- Mobile Spyware
- Mobile Device Management
- Mobile Security Guidelines and Tools
- Mobile Pen Testing

IoT Hacking

- IoT Concepts
- IoT Attacks
- IoT Hacking Methodology
- IoT Hacking Tools

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- Countermeasures
- IoT Pen Testing

Cloud Computing

- Cloud Computing Concepts
- Cloud Computing Threats
- Cloud Computing Attacks
- Cloud Security
- Cloud Security Tools
- Cloud Penetration Testing

Cryptography

- Cryptography Concepts
- Encryption Algorithms
- Cryptography Tools
- Public Key Infrastructure (PKI)
- Email Encryption
- Disk Encryption
- Cryptanalysis
- Countermeasures

