CERTIFIED Ethical Hacking Training

Students going through CEH training will learn:

- Key issues plaguing the information security world, incident management process, and penetration testing.
- Various types of footprinting, footprinting tools, and countermeasures.
- Network scanning techniques and scanning countermeasures.
- Enumeration techniques and enumeration countermeasures.
- System hacking methodology, steganography, steganalysis attacks, and covering tracks.
- Different types of Trojans, Trojan analysis, and Trojan countermeasures.
- Working of viruses, virus analysis, computer worms, malware analysis procedure, and countermeasures.
- Packet sniffing techniques and how to defend against sniffing.
- Social Engineering techniques, identify theft, and social engineering countermeasures.
- DoS/DDoS attack techniques, botnets, DDoS attack tools, and DoS/DDoS countermeasures.
- Session hijacking techniques and countermeasures.
- Different types of webserver attacks, attack methodology, and countermeasures.
- Different types of web application attacks, web application hacking methodology, and countermeasures.
- SQL injection attacks and injection detection tools.
- Wireless Encryption, wireless hacking methodology, wireless hacking tools, and wi- security tools.
- Mobile platform attack vector, android vulnerabilities, jailbreaking iOS, windows phone 8 vulnerabilities, mobile security guidelines, and tools.
- Firewall, IDS and honeypot evasion techniques, evasion tools, and countermeasures.
- Various cloud computing concepts, threats, attacks, and security techniques and tools.
- Different types of cryptography ciphers, Public Key Infrastructure (PKI), cryptography attacks, and cryptanalysis tools.
- Various types of penetration testing, security audit, vulnerability assessment, and penetration testing roadmap.
- Perform vulnerability analysis to identify security loopholes in the target organization's network, communication infrastructure, and end systems.
- Different threats to IoT platforms and learn how to defend IoT devices securely.

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Course Outline

- Introduction to Ethical Hacking
- Footprinting and Reconnaissance
- Scanning Networks
- Enumeration
- Vulnerability Analysis
- System Hacking
- Malware Threats
- Sniffing
- Social Engineering
- Denial-of-Service
- Session Hijacking
- Evading IDS, Firewalls, and Honeypots
- Hacking Web Servers
- Hacking Web Applications
- SQL Injection
- Hacking Wireless Networks
- Hacking Mobile Platforms
- IoT Hacking
- Cloud Computing
- Cryptography
- Security Operation Centre
- Security Information and Event Management