C|E H

Certified Ethical Hacker

Secure Your future

The Ultimate

Ethical Hacking Certification Training

C EH v13

Certified Ethical Hacker

COURSE MODULES

Introduction to Ethical Hacking

01 In this module we will learn about Information security, types of hackers, types of testing, CIA triat, Security Standards, Deep web and Dark web, and will finish up the lab setup for upcomming modules.

Scanning Networks

03 In this module we will Collect information about Network like, active m

Operating Systems, and we cover tools like Nmap, Hping3, angryip-scanner, MSF, etc.

Vulnerability Analysis

**05** scanners like Acunetix, Nessus, Qualys, Crashtest,

Malware Threats

07 In this module, we will learn about di erent types of malwares like Trojans, VIRUS, Worms, Malwares, Rootkits, RAT's, Ransomwares. and we learn how they are created and can be used to access Victim Device and how they can be used for Backdoors. We also learn techniques to prevent our system or network from these malwares.

Social Engineering

09 In this module, we will cover techniqes di erent social engineering attacks like Phishing Emails, Smishing, Phishing web-pages, Mirroring websites, etc. we will also learn preventive measures for these Social Engineering Attacks.
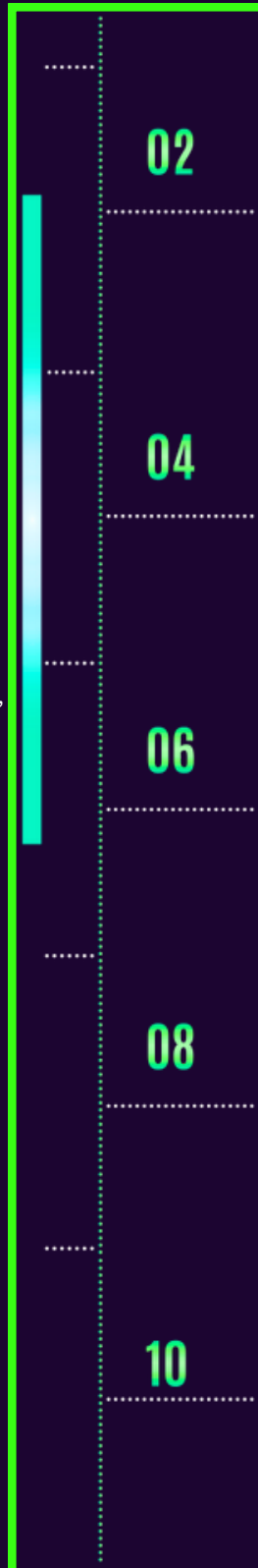
02

Footprinting and Reconnaissance

In this particular module we will collect Open/-public information about the target throuth Whois records, DNS Records, Google Dorks, Github tools, Maltego. We will be purly focused

on Open Source Information Gathering techniques through OSINT (Opensource Inteligence) Tools.

04

Enumeration

A er collecting information about Active

06

system hacking

In this module, we will learn cracking Password techniques for windows as well as Linux, Bu er Overflow, Privilage Escalation techniques, and we will learn techniques to clear our footprints/logs from the system.

08

Sniffing

In this module, we will cover-up attack for network services like ARP, DHCP, MAC Flooding, etc and how to Analyse network tra ic to detect intrusions and how to Analyse to extract juicy information like Username/password using some Sni ing tools like Wireshark, Ettercap, Bettercap, Xerosploit, etc.

10

Denial-of-Service

In this module, we will learn about DoS/DDoS, di erent types of Dos/DDoS, di erent tools & techniques used for Dos/DDos. we will also learn perventive measures for DoS/DDoS.

Course Description

The C|EH (Certified Ethical Hacker) course stands out as one of the most thorough and advanced programs in ethical hacking available today. With 20 detailed modules that dive into the latest security areas, it's an ideal choice for anyone looking to boost their organization's information security. This accredited program arms learners with the latest tools and techniques that both hackers and cybersecurity experts use, providing hands-on experience in real-world situations.

Sample Ethical Hacking Certi cation

Session Hijacking

11 In this module, we will coverup Attacks related to Authentication and Sessions created a er Login like Cookie stealing, Cookie replay, IDOR, Session fixation, etc. and how these attacks can be fixed.

Hacking Web Servers

13 In this moudle, we will coverup direct attacks for web-server and what security an admin can apply to prevent direct attacks on web-server.

SQL Injection

15 Injection like Error Based, Union Based, Blind Based. we will test target website manually and then use automated to SQLNinja, etc.

Hacking Mobile Platforms

17 This module covers techniques used by attackers to gain access to android and IOS devices through malicious applications and Malwares. How to test mobile applications for authenticity and security.

Cloud Computing

19 This module covers attacks and Use case for di erent Cloud Computing services like EC2 instances, S3 Bucktes, IAM Policies and a lot more.

Evading IDS, Firewalls & Honeypots

12 In this module, we will learn about the working architecture of Firewall, IDS/IPS. What are the di erent types of Firewall and IDS/IPS, how they work, how attacks are able to bypass those security checks, how to write your own Firewall and IDS/IPS rules. Then we start with Honeypots which are used to trap Hackers.

Hacking Web Applications

14 This module covers attacks related to website like OWASP Top 10 2017, OWASP Top 10 2021 and SANS 25. We will be using best in industry tools like Burp-Suite Professional, OWASP Zap, etc.

Hacking Wireless Networks

16 This module covers di erent techniques used to attack wireless network authentication mecha- nisms used in WEP, WPA-1, WPA-2, and WPA-3 to gain access to any wireless network and a lot more.

IoT Hacking

18 This module covers attacks related to IOT (Internet of Things) and OT (Operational Technology) like your smart Watch, smart Televisions, Smart LED's, Smart Speakers, etc. This module covers firmware analysis techniques.
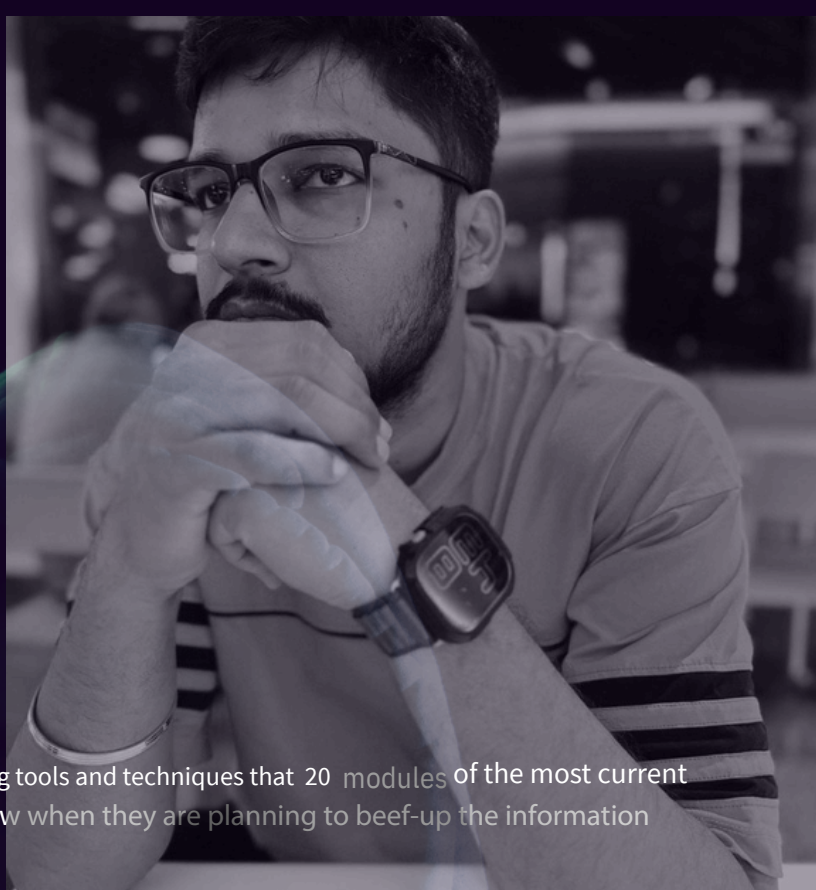
Cryptography

20 This module covers security algorithms used to maintain CIA with help of di erent Encryption Ciphers, Hashing Algorithms, Digital Certificates, etc. This module also helps us understand trust chain followed by our Operating Systems and so ware.

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Hack the Right Way
UNDER THE GUIDANCE OF
Mr Hitesh Agrawal

🎓 Course Description

C|EH is the world's most advanced certified ethical hacking tools and techniques that 20 modules of the most current security domains any individual will ever want to know when they are planning to beef-up the information security posture of their organization.

Gain hands-on experience with the cutting-edge tools and methods employed by ethical hackers and cybersecurity professionals.

📤 Key Outcomes

- Gain a comprehensive introduction to ethical hacking principles and practices
- Understand various threat vectors and learn effective countermeasures
- Explore emerging domains such as IoT, cloud, and mobile security
- Develop skills to detect and defend against Trojans, malware, backdoors, and other cyber threats
- Learn mobile hacking techniques and how to secure mobile platforms

📝 Exam Information

- Exam Title :Certified Ethical Hacker (ANSI)
- Exam Code: 312-50 (ECC EXAM), 312-50(VUE)
- Number of Questions: 125
- Duration: 3 month
- Availability: ECC Exam Portal, VUE
- Test Format: Multiple Choice

🏠 OFFICE ADDRESS
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- <u>Cyber Security & Ethical Hacking Training</u>

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