



Ethical Hacking

Course Curriculum

Ethical Hacking

01

Mission

If you want to start your career in cyber security, this course is best kickstart for you.

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Course Description

Have you ever wondered exactly how hackers 'hack'? Do words like firewalls, encryption, biometrics and malware sound confusing to you? Have you been looking for a course that teaches you all the basics of both information and cyber security in a really interesting way. If so then you are going to find this course absolutely perfect for you.

This is a course that is perfect as an introductory one for individuals and students who are interested in becoming cyber security or information security professionals. It is also ideal for students who just want to have a well rounded knowledge about the basic concepts used in the world of information security. From this course you will get to know each concept so that you can learn it in a better way.

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Prerequisites

- General Requirements

You are enthusiastic and motivated to learn. Participation in this course requires consistently meeting project deadlines and active participation. Also you have to be passionate about hacking.

- Program-Specific Requirements

You have access to a computer with an internet connection. A laptop with following specification:

Laptop

RAM : Minimum 4gb.

USB : Minimum 4gb (Recommended 8 gb).

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Jobs Which You Can Apply

Cyber security analyst.

Ethical Hacking

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Projects

1. Kali Linux Installation
2. Terminal
3. Finding information from Packet Files
4. Packet Sniffing
5. Cracking WEP Networks
6. Blocking Internet Connection
7. Know everything about your target
- 8 Start Hunting Bugs in websites
9. Perform Man in the middle attack
10. Hacking android phone

04

Skills you will learn

1. NMAP
2. Operating System
3. Networking
4. Wireshark
5. OSI Model,
6. TCPDump
7. Wireless Cracking
8. BurpSuite
9. MITM,
10. OWASP Top 10
11. Metasploit Framework

Estimated Time	Modules	Project or Target	Learning Outcome
Day 1 & 2	Module 1 Kali OS, Basics: How Internet works (HTTP, Protocols, IP/MAC/PORTS, Packets, Router/VPN, SSL Layer)	New OS Installation	Sound Linux System knowledge
Day 3 & 4	Module 2 Terminologies: OWASP, Payloads, Injection, Backdoors, Trojan, Virus, Magic of Terminal, Terminal Commands	Terminal Tricks Making 100 folders using single command	Terminal Working
Day 5 & 6	Module 3 Networking, Basics : Commands, Interfaces, Monitoring Mode, Packet Capturing, OSI Layer. Analyse: Wireshark, TCPDump, Sniffing, Public VS Private. Exploitation : Cracking WEP/WPA/WPA 2	1.Finding information from packets files. 2. Cracking OPEN Networks. 3. Cracking WEP Networks 4. Blocking Internet	Wifi Cracking, Sound Networking Skills, Network Analyse
Day 7 & 8			
Day 9 & 10			
Day 11 & 12	Module 4 Web, Information Gathering : Domains, SubDomains, IP/Address, Open Ports, Services, BurpSuite , OWASP : FROM (XSS to CSRF all)	1.Getting Information about various targets. 2.Trying Hunting Bugs in Websites.	Can start BUG BOUNTY HUNTING
Day 13 & 14			
Day 15 & 16			
Day 17 & 18	Module 5 MITM & NMAP Metasploit Framework	1.Performing MITM. 2.Getting Network Information. 3.Hacking Android Phone	Man in the Middle Attack Metasploit Framework
Day 19 & 20			



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