

4-weeks Live Online
Internship cum Training | FDP On
Ethical Hacking & Cyber Security
Total Duration: 40-Hrs LIVE, 4-Weeks

40 Hours Session Syllabus

Module 1 - Introduction to Hacking – 4 hours

1. Introduction to Ethical Hacking.
2. Phases of Hacking.
3. Types of Hackers.
4. Module 4 – Basic Python Programming

Module 2 – OSINT – 3 hours

1. OSINT Websites
2. OSINT Extension
3. OSINT Tools
4. OSINT using Kali Linux

Module 3 – Networking – 2 hours

1. Types of IP Address
2. IP Address Classes
3. IP Addressing
4. Subnetting
5. TCP/UDP
6. OSI Model

Module 4 - Scanning Networks – 2 hour

1. Ping

2. Nmap
3. Online Nmap
4. Wireshark
5. Other Tools

Module 5 - Vulnerability Assessment – 2 hour

1. Nessus Installation
2. Nessus Usage

Module 6 - Introduction to Malware – 1 hour

1. Types of Malware

Module 7 - System Hacking Using Built in Vulnerabilities and Malware Creation – 2 hour

Module 8 – Introduction to Privilege Escalation – 1 hour

Module 9 - Password Cracking – 1 hour

1. ZIP/RAR Password Cracking

Module 10 – Denial-Of-Service – 1 hour

1. DOS Attack

Module 11 - HTTP Intercept Web Proxy Setup (Web Application Testing Lab) – 1 hour

1. Lab Setup

Module 12 – Introduction to Web Servers and Web Applications – 1 hour

Module 13 - Introduction to Web-Application/Web Server Pen-Testing – 5 hour

Module 14 - Social Engineering – 5 hour

1. Email Spoofing.
2. Identify Phishing Emails.
3. Phishing Attacks over LAN Network
4. Phishing Attacks over WAN Network

Module 15 - Hacking Wireless Networks – 1 hour

1. Wifi Hacking

Module 16 - Hacking Mobile Platforms – 2 hour

1. Hacking using Metasploit Framework
2. Android Debug Bridge
3. Airdroid

Module 17 – Introduction to Mobile Application Pen-Testing – 1 hour**Module 18 - Introduction to Cryptography and Steganography – 2 hour****Module 19 - Privacy and Anonymity – 1 hour****Module 20 - Hacking and Cybersecurity in Today's World – 1 hour****Module 21 – Road map to the world of Cybersecurity – 1 hour****Who can attend?**

- Training is best suitable for Engineering college faculty, Research scholar, Student & Working IT Professional.

Training charge

	Training Fee
4-weeks Training Program	₹ 6000/-per head (Excluding GST)

Prerequisite: There is no prerequisite for this training,

EduxLabs Teams

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