



# **COURSE BROCHURE**

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**Certified Network Penetration Tester | CNPT**

# Introduction to the Course

**Network Penetration Testing** mainly focuses on finding out vulnerabilities in a **network** and exploiting them. Our course trains the students in penetration testing and exploitation of the flaws in the **network** by mainly using hacking OS like **Kali Linux / Parrot**. A penetration testing is the process of finding out the flaws, vulnerabilities or loop-holes of an operating system or a network and repairing them.

After the completion of this course the student will be able to: -

- Get into any network system successfully.
- Using the certificate, the student can apply for jobs in reputed MNC's as a **Network Security Analyst** and related roles.
- Find out and repair the flaws and loop-holes in the network system

We are proud to say that more than **1500+** of our students in **Network Penetration Testing** course have been offered jobs in various MNCs both in India and abroad.

## Why to choose IEM Labs?

What makes this course much more exciting is that we provide **hands - on training** procedure through projects and practical based classes throughout the entire curriculum of the course.

We at **IEM Labs** provide both **Online** (through platforms like "**Google Hangout Meet**", "**Go to Meeting**", "**Zoom**", etc) and **Offline** mode classes. The most beneficial point for a student to get trained by **IEM Labs** is "**One Year Lab Access**", i.e. every student from the date of admission will have access to our "**Online Virtual Lab**" for practising and getting all notes, pre-recorded videos and tools according to their course for one year absolutely free of cost.

## About the Course

**Course Type - Advanced**

**Eligibility Criteria: -**

- Knowledge of networking.
- Knowledge on Cyber Security and Penetration Testing.
- Minimum System Configuration Required: -
  - Intel i5 processor
  - 8gb Ram
  - 1tb Hard disk

**Batch Size - 5 students maximum.**

**Course Duration - 40 hours i.e. 2 classes every week.**

**Course Fee: -**

- Online: 14000 INR + 18% GST
- Offline: 13000 INR + 18% GST

**Training Location: -**

- Offline - Kolkata
- Online - Any

## Gradation System of IEM Labs

- E Excellent (90% - 100% Marks)
- A+ Very Good (80% - 89% Marks)
- A Good (70% - 79% Marks)
- B+ Average (60% - 69% Marks)
- B Fair (50% - 59% Marks)
- C Fail (Below 50% Marks)

## Course Content

- Module - 1: Introduction to Network Penetration Testing
- Module - 2: Lab Setup
- Module - 3: Deep Reconnaissance
- Module - 4: Scanning Networks
- Module - 5: Getting into System
- Module - 6: Advanced Metasploit Exploitations
- Module - 7: Privilege Escalation
- Module - 8: Browser Exploitation
- Module - 9: Sniffing & Man in The Middle Attack (MITM)
- Module - 10: Buffer Overflow
- Module - 11: Android Penetration Testing
- Module - 12: Router Penetration Testing
- Module - 13: Antivirus, Firewall, IDS Bypass Techniques
- Module - 14: Anonymity on Network Infrastructure
- Module - 15: Social Engineering Methodologies
- Module - 16: Attacking Wi-Fi Network
- Module - 17: Wi-Fi as an attack Vector
- Module - 18: Network Vulnerability Analysis
- Module - 19: Practical Session on Platforms like VulnHub, OverTheWire & HackTheBox
- Module - 20: Project

# Frequently asked questions (FAQ's)

**1. What must be the minimum age for doing this course?**

Answer - There is no minimum age requirement for doing this course.

**2. What must be the minimum qualification required for doing this course?**

Answer - There is no minimum qualification required if the student meets the **Eligibility Criteria**.

**3. Will I get any course material?**

Answer - Yes, all materials are available on our online virtual lab, you can access them fully upto 1 year from the date of admission.

**4. Will I get a certificate after this course?**

Answer - Yes, certificate (hardcopy/softcopy) will be provided after the course which will consist of a grade provided by the assigned trainer as per the final project submitted.

**5. In which language classes will be conducted?**

Answer - Classes will be conducted mainly on English, Hindi & Bengali, mainly it will depend on majority criteria.

**6. Is this for professionals, students or both?**

Answer - This course is both for Professionals and Students.

**7. Will there be any exam or project?**

Answer - Yes, there will be 3 exams through the whole course duration and 1 project to be done after the course completion based on which Grade for certificate will be provided.

**8. Will I have to carry my own laptop or it will be provided?**

Answer - It is recommended that the student carry his/her own system because it makes their self-practise easier. In case of emergency laptop/desktop can be provided by us.

**9. What kind of jobs roles can I apply after doing this course?**

Answer - You can apply for any job roles related to the course.

**10. Can I apply for an Internships at IEM Labs? What will be the selection criteria and procedure?**

Answer - After completion of minimum 2 courses you can apply for an Internship. There will be a technical interview, based on the reports from Faculty and Technical Interview selection will be granted.

**11. Are the Internships paid?**

Answer - Yes, the Internships are "***Paid Internships***".

**12. My question is not enlisted here, whom can I contact?**

Answer - Feel free to get in touch with us at: -

- Email: [iema@iemlabs.com](mailto:iema@iemlabs.com)
- Phone: India: +91 9163198148 | Canada: +1-604-431-979