



CERTIFIED INTERNET OF THINGS PENETRATION TESTER

CIPT



COURSE
BROCHURE



Introduction to the Course

The Internet of Things (IOT) has become the most popular subject of interest in the past few years. It uses unique identifiers (UIDs) to transmit data via a network without the necessity of human-to-computer or human-to-human communication. But there are some cases in which even the Internet of Things (IOT) becomes the target for hackers to get into the system and take down the entire network of connected devices.

The Internet of Things presently has applications in many areas such as smart homes, elder care, the medical and healthcare industry, transportation, manufacturing, building and home automation, and V2X communications. Hence the Certified Internet of Things Penetration Tester I CIPT course by IEM labs has become one of the most popular courses of IOT security certification in America and other locations. On completion of this course, the student will be able to successfully penetrate an Internet of Things (IOT) network and carry out an Internet vulnerability assessment.

FOCUS AREAS

- Data Analytics 
- Control Applications 
- Cloud Gateways 
- Data Storage 

With the course completion certificate, the student can get jobs in various reputed organisations working in the Internet of Things (IoT) as an Internet of Things Penetration Tester.

Students will be trained by the Internet of Things (IoT) Certified Job Professionals who have been working in this field for more than 10 years. What makes this Certified Internet of Things Penetration Tester course much more exciting is that we provide hands-on training procedures 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 the "One Year Lab Access", i.e. every student from the date of admission will have access to our "Online Virtual Lab" for practicing and getting all notes, pre-recorded videos, and tools according to their course for one year free of cost.



Market Job Openings

Listed below are the Certified Internet of Things Penetration tester jobs that are available for both working professionals and students.

Penetration Test Security Engineer

[Click Here to View Jobs](#)

Web App Security Consultant

[Click Here to View Jobs](#)

Ethical Hacker

[Click Here to View Jobs](#)

IoT Security Engineer

[Click Here to View Jobs](#)

About the Course

- **Course Type: Basic**
- **Eligibility Criteria:**
 - **No Basic Knowledge required**
 - **Minimum System Configuration Required:**
 - o Intel i5 Processor
 - o 8GB RAM
 - o 1TB Hard Disk
- **Batch Size: 5 students maximum**
- **Course Duration: 40 hours**

	ONLINE	OFFLINE
COURSE FEE:	20000 INR	20000 INR
TRAINING LOCATION:	ANY	KOLKATA



Course content

MODULE 01	Introduction to Internet of Things (IoT)
MODULE 02	Lab Setup
MODULE 03	Internet of Things (IoT) Penetration Testing
MODULE 04	Software Defined Radio (SDR) Penetration Testing
MODULE 05	GNU Radio Penetration Testing
MODULE 06	Global System for Mobile (GSM) Penetration Testing
MODULE 07	Radio Signal Penetration Testing
MODULE 08	Car Penetration Testing
MODULE 09	ARM & MIPS Reversing Techniques
MODULE 10	Firmware Analysis
MODULE 11	Internet of Things (IoT) Cloud Penetration Testing
MODULE 12	Bluetooth Low Energy(BLE) Penetration Testing
MODULE 13	Internet of Things (IoT) Vulnerability Analysis
MODULE 14	Report and Exploit Writing Methodologies
MODULE 15	Post Testing Methodologies
MODULE 16	Project





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