

RECON CYBER SECURITY

**IOT
SECURITY**

DURATION 1 MONTH



I OVERVIEW

In this course, students will learn about Advance Capture the Flag (CTF) Challenges. Like: Vuln-hub Machines, Hack the Box, etc.

I Pre-Requisites

Students should already know about Penetration Testing and Web-Application Penetration Testing. Also hands-on practice on Kali Linux. [Note: Student should already knowledge of any Programming Languages]



Who We Are?

We promise to offer the best training and certification programs to our students. We provide the programs and resources you need to succeed if you are just beginning your Cyber security career or are an experienced expert wishing to develop your skills. Contact us today to learn more about our training and certification options!

Why Choose us?

Welcome to our Cyber Security Training Institute, where we are committed to giving individuals and organisations who want to protect their digital assets thorough training and certification programmes. Our knowledgeable Trainers will bring you through the complexities of cybersecurity with their cutting-edge expertise and practical experience. You will learn useful methods and abilities to protect yourself from online dangers, such as ethical hacking, network security, incident response, and other things. Our programmes give you the opportunity to hone your skills and grow your profession through practical lab experiences and individualised coaching.





COURSE SYLLABUS

IOT Security Course Module

01. The IOT Security Testing Overview
02. Case Study: Connected and Self-Driving
03. Vehicles Security
04. Case Study: Microgrids
05. Case Study: Smart City Drone System
06. IOT Hardware and Software
07. Communication and Messaging Protocols
08. IOT Interfaces and Services
09. Threats, Vulnerabilities, and Risks
10. Case Study: The Mirai Botnet Opens Up
11. Pandora's Box
12. Today's Attack Vector
13. Current IOT Security Regulations
14. Current IOT Privacy Regulations
15. What is Threat Modeling
16. An Introduction to IOT Security Architectures
17. Identifying Assets
18. Creating a System Architecture
19. Documenting Threats
20. Rating Threats
21. IOT Privacy Concerns
22. Privacy By Design (PbD)
23. Conducting a Privacy Impact Assessment

Tools and Benefits of the Diploma course

- ◊ 10 Gb Toolkit
- ◊ Online and Offline classes
- ◊ Certificate after completion
- ◊ Live Project Training
- ◊ Training by experienced trainers
- ◊ Checkpoint based training
- ◊ Class session recordings
- ◊ 24x7 Support

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