CYBER SECURITY SUMMER INTERNSHIP CUM TRAINING

Embrace the Future: Unlock Your Nxt-Gen Career with #PGOI

100+ Student Already Enrolled

**Instructor-Led Training**

Earn Certificates And Badges

CYBER SECURITY INTERNSHIP

This Comprehensive Cyber Security Course Training Program covers a wide range of topics including Cyber Security Introduction and its role in eliminating threats and assaults. It also discusses virtualization, cryptography, footprinting, malware, and social engineering. You will learn how virtualization generates safe computing environments and how cryptography provides secure communication. Finally, This Cyber Security Internship will include footprinting, malware detection and prevention, and social engineering.

Program Overview

This Cyber Security Internship Program will teach you the value of Cyber Security in today's digital environment. You will also learn how to use different resources and techniques to protect yourself from Cyber Threats and Attacks.

Key Highlights
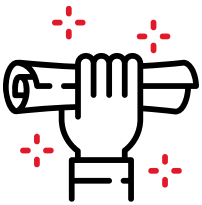
Real Time Project use cases

Hands-on experience and exposure to applications

Digital Badges

You can earn worldwide recognized digital badges

1:1 Sessions with Experts

You can request One-on-One Sessions with Industry Experts

Industry Oriented Curriculum

Exposure to Real-World Situations through Live-Projects

Adaptable Timetables

Flexibility and Convenience to Learners in class-timing

Highly Educated Mentors

Qualified Mentors with Real Industry Experience

Program Curriculum

Module 1
Cyber Security- Introduction
- ✓ Cyber Security Overview
- ✓ Need of Cyber Security
- ✓ Cyber Security Threats and Attacks Vectors
- ✓ Ethical Hacking Concepts
- ✓ Cyber Security Threats and Attacks Vectors
- ✓ 5 Phases of Hacking / Kill Chain Framework
- ✓ Impact of Cyber Attack
- ✓ Cyber Domains
- ✓ Jobs & Careers in Cyber World

Module 2
Networking
- ✓ Basics of Networking
- ✓ IP Address and Mac Address
- ✓ Subnetting and Gateway
- ✓ OSI and TCP/IP Model
- ✓ Ports
- ✓ Protocols

Module 3
Virtualization
- ✓ Virtualization - Introduction
- ✓ Virtual Box / VMware - Introduction
- ✓ Setup and Configure (Window, Linux, and MAC)

Module 4
Cryptography- Art of Encryption
- ✓ What is Cryptography?
- ✓ Encryption & Decryption
- ✓ Encryption Types
- ✓ Hashing

Module 5
Footprinting- Art of Info Gathering
- ✓ Footprinting Concepts
- ✓ Methodologies of Footprinting
- ✓ Footprinting Tools
- ✓ Active and Passive Footprinting
- ✓ Google - Friend of Hacker
- ✓ Google Darking
- ✓ Shodan - Hacker's Search Engine

Module 6
Scanning
- ✓ Introduction
- ✓ Types of Scanning
- ✓ Port Scanning
- ✓ Scanning Tools
- ✓ Network Reconnaissance
- ✓ OS Detection
- ✓ Vulnerability Scanning
- ✓ Numpy and Angry IP Scanner

Module 7
Social Engineering
- ✓ Social Engineering - Art of Human Hacking
- ✓ Social Engineering Techniques
- ✓ Identity Theft
- ✓ Types of Social Engineering Attacks
- ✓ Insider Attacks
- ✓ Social Engineering Counter Measures

Module 8
Spoofing- Art of Disguise/ Invisible
- ✓ What is Spoofing?
- ✓ Types of Spoofing
- ✓ IP Address Spoofing
- ✓ Mac Address Spoofing
- ✓ Sniffing and Spoofing Difference

Module 9
Hacking Web Applications
- ✓ Introduction - Web Applications
- ✓ Manual and Automated Tools
- ✓ Web App Threats
- ✓ Web App Methodology
- ✓ Web App Pentesting
- ✓ Authentication Mechanism
- ✓ OWASP TOP 10
- ✓ How to find Vulnerability
- ✓ Web App Attack Vectors
- ✓ Web App Counter measures

Program Curriculum

Module 10
Injection Attacks
- Injection - Introduction
- SQL Injection
- Manual Attack - SQL Injection
- Using Automated Tool
- Business Impact
- Countermeasures

Module 11
Denial of Service
- DOS/DDOS Concepts
- DOS/DDOS Attack Techniques
- DOS/DDOS Attack Tools
- DOS/DDOS Counter measures

Module 12
Important Theft Techniques
- Keyloggers
- Spywares
- Trojan, Virus and Worms
- Binders
- Session Hijacking
- USB Theft Technique
- Data Theft

Module 13
Forensic
- Introduction to Recovery
- Recovery Techniques
- Hard Disk Recovery
- USB Recovery
- Data Recovery - All Types

Module 14
Steganography
- Introduction
- Data Hide Techniques
- Steganography Tools
- Command Line
- Steganography and Phishing

Module 15
Malware
- Introduction
- Types of Malwares
- Impact of Malware
- Countermeasures

Module 16
Wi-Fi Hacking & Security
- Introduction
- Wireless Hacking - WEP/WPA/WPA2
- Securing WiFi Methodologies

Module 17
Deploy a Project

Hiring Companies

HDFC BANK
We understand your world

digit

Razorpay

amazon.in

BOSCH

CISCO

PayPal

Adobe

EY

DHL

Microsoft

HCL

Certificate

Certificate of Completion

This is to Certify that

Your Name

for completing the Industrial Oriented Training in

"Cyber Security"

at Prerogative Group from 04/March/2023 to 04/March/2023.

PREROGATIVE
GROUP OF INSTITUTES
Empowering Innovation
Training | Consultancy | Development

Signature

Certificate No.

_____

Date of Issue

_____/_____/_____

This Cyber Security Internship Certification Program has been designed by top-Industry Professionals from leading organizations. This course will get you ample opportunities to work through live-practical projects and hands-on experience. After the successful completion of this Cyber Security Training from Prerogative, you'll receive an industry-recognized Internship Certification which has a lifetime validity.

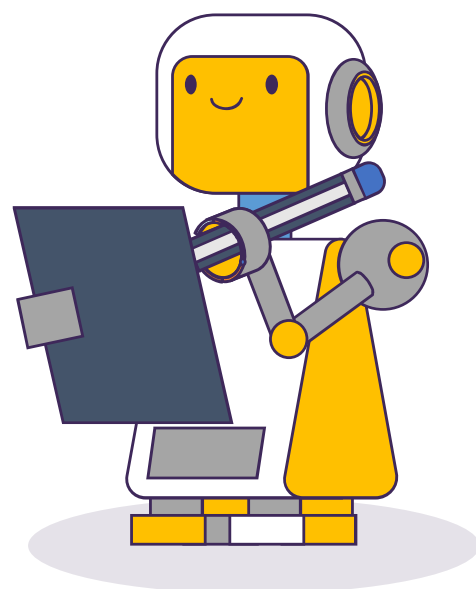# Contact Us :

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