Certified Information Security Expert

-by Forensic Academy

- **Duration Six month**
- **Full Course Fees: - RS: 45,000 /-**
- **Exam fee Included**
- **Certificates fee Included**
- **Certificates Courier payment not included**
- **Online Live Classes Only using zoom or google meet**
- **Exam mode online**
- **Class Test after complete one module**

Course Detail:

➤ Introduction

Introduction to Cyber security and ethical hacking
Introduction to all Underground Ethical Hacking Community Types

➤ Basics of Operating System and architecture

Introduction to OS architecture
window , Linux , mac

➤ Linux

Introduction to Linux
Linux Architecture
Installation VM or virtual box
Installation Linux like :- Kali , ubuntu , parrot
Linux File system and Commands
What is Shell and Bash Scripting
Environment Setup and Lab setup
Introduction to All Linux commands and Tools

➤ Networking

Introduction to Networking

Lab setup for Networking

Protocols like UDP , ICMP , TCP etc

IPv4 or IPv6

CISCO packet Tracer tools

➢Network Security

Information Gathering and Footprinting
Network Vulnerability Assessment
WiFi hacking and security
Router Penetration testinging
Network Hacking
Port Scanning
Nmap and zenmap
Metasploit Framework
Network scanning
Scapy and Hping3
wireshark
Secure Network Design
VPN and Proxy server for Anonymous in Cyber security world
Networking Testing Report

➢Web security and Hacking

Introduction to web
Frontend and backend
Hacking and Security
Advance Burp suite and zap tool
OWASP TOP 10
XSS attack
Sql injection
LFI or RFI
CSRF , SSRF
Sensitive Data exposure
Xml
Broken access control
Security misconfiguration
Open redirection Vulnerability
OTP bypass
Race condition

Code executing

OS command injection

Google Dorking

Admin page bypassing

Database hacking and security

Payment gateway bypassing

Firewall bypassing

VAPT

Touchup with Javascript , PHP , Python

Apache or NGINX server

Sql Database , MongoDB , maria DB

Denial of Service attack and DDOS

Brute Force attack

Phishing

Password Hacking

Hash Password Cracking

Attack on Live website

MITM attack

Data Breaching

Secure Website Development

Web vulnerability assessment and penetration testing

Report Designing

➢CTF Weeks

1)bluemoon.ova

2)cybersploit.ova

3).kioptrix level1.ova

4).basic_penetesting1.ova

5).driftingblues.ova

6).colddbox.ova

7).sosimple.ova

8).Driftingblues2.ova

9).Driftingblues3.ova

10).covfefe.ova machine

11).toppo .ova machine

12).web developer 1 ova machine

some hacker one machines

some Tryhack me machines

➢ Bug Bounty Hunting

Introduction to Bug Bounty Hunting

Target Choosing

Hackerone , Bugcroud

Top Bug hunting tools :-

- **Subfinder , knockpy , httpx**
- **Burp suite Full**
- **FFUF , Waff**
- **GF , GAU, waybackurls**
- **Dalfox , Githound**
- **Paramspider**
- **Dirsearch**
- **Dirbbuster or Gobuster**
- **Big bug bounty recon tool**
- **Log4j scanner**
- **Xss scrapy**
- **Nuclie**
- **Eyewitness**
- **Wpsscan**
- **Airxss , qsreplace , Gxss , knxss**
  Many more tools…………..

Manual Testing and Automate Testing

Nessus , Appscan , Netsparker , Acunetix

Report writing

➢ Basic Android testing

- **Android Architecture**
- **APK**
- **Application testing**
- **Firebase**
- **Android testing using burpsuite**
- **Automated App Testing**
- **Manual App testing**
- **Application files Analysis**

- **Tools based Analysis**
- **Android security and Hacking**

➢OS and Server Hardening

OS Architecture works
OS security
Window , linux Hardening
Secure Services
Log and Events handling
Prevent OS
Antivirus
Data
Introduction to server
Physical server security
Logs analysis
IDS or IPS
Security server Configuration
How to Design own server
Server Development
Red hat linux , Mint linux , Ubuntu linux
Window server 2012 , 2019
Automatic Tools
Manual configuration
Log or Event handling
File encrypting
Root password configuration
Usb port Disable
Apache security
NGNIX security
Mod security enable
Enable firewall
System Hardening | Windows | Linux | Mac

➢Forensic

(Corporate Forensic | Criminal Forensic)
Computer Forensic | Mobile Forensic | Server Forensic | Cloud Forensic | social media Forensic

- **Introduction**
- **Chain of custody & 6A's of forensics**
- **Legal study of evidence acquisition**
- **Disk based forensics**
- **Network forensics**
- **Data packed Analysis**
- **Browser Forensic**
- **USB forensics**
- **Memory Analysis | forensic**
- **Window forensic**
- **Android | IOS Forensic**
- **Tools based on forensic study**
- **Deleted data recovery**
- **Image forensic**
- **Evidence Recovery**
- **Protocol standard**
- **WLAN security**
- **Dead vs Live forensics**
- **HDD & Recovery forensic**
- **Video & CCTV forensic**
- **Camera forensic**
- **WhatsApp | Instagram | snapchat forensic**
- **CLOUD based forensic**
- **Contact number forensic**
- **SIM card forensic**
- **Gallery images forensic investigation**
- **Transaction Forensic**
- **Antivirus Forensic**
- **IP Forensic**
- **Router Forensic**
- **Forensic with CDAC GOVT. forensic tools**
  Tools like:- FTK , Autopsy , Mobiledit forensic , Rescue pro , Stellar data recovery , Mobile check , win lift and many more……