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CYBER SECURITY

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Craw Security Focus on Delivering Best Industry Training & Certifications & Provide Cyber Security Consulting Services

EC-Council **CISCO** **CompTIA**

RedHat **python** **PECB**



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BASIC NETWORKING

LEVEL 1 : COURSE DURATION : 40 hrs

- Module 01 : Computer Networking
- Module 02 : Introduction to Networking
- Module 03 : IPV4 and IPV6
- Module 04 : Subnet Mask, CIDR and Subnetting
- Module 05 : VLSM, Wild Card, Summarization
- Module 06 : OSI MODEL
- Module 07 : TCP / IP MODEL
- Module 08 : Network Devices, Cabling & Packet Tracer
- Module 09 : ARP and ICMP
- Module 10 : Packet Flow
- Module 11 : Routing - Static and Dynamic
- Module 12 : Static Routing - Next HOP IP & Exit Interface
- Module 13 : Dynamic - RIP
- Module 14 : EIGRP
- Module 15 : OSPF
- Module 16 : Redistribution
- Module 17 : Remote Services (Telnet and SSH)
- Module 18 : DHCP

- Module 19 : ACL
- Module 20 : Switching
- Module 21 : L2 Protocols - CDP, VLAN, STP, DTP, VTP
- Module 22 : Ether - Channel
- Module 23 : Port Security

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- ★ Weekend / Weekdays Classes
 - ★ Classroom / Online Training
 - ★ Internship Opportunity
 - ★ 1 Year Membership
 - ★ GNS/Packet Tracer
 - ★ Video Nuggts
 - ★ Audio Tutorial
 - ★ Ebooks Tutorial

LINUX ESSENTIALS

LEVEL 2 : COURSE DURATION : 40 hrs

- Module 01 : Getting Started with Red Hat Enterprise Linux
- Module 02 : Accessing the Command Line
- Module 03 : Managing Files from the command Line
- Module 04 : Getting Help in Red Hat Enterprise Linux
- Module 05 : Creating, Viewing & Editing Test Files
- Module 06 : Managing Local Users and Groups
- Module 07 : Controlling Access to Files
- Module 08 : Monitoring and Managing Linux Process
- Module 09 : Controlling Services and Daemons
- Module 10 : Configuring and Securing SSH
- Module 11 : Analyzing and Storing Logs
- Module 12 : Managing Networking
- Module 13 : Archiving and Transferring Files
- Module 14 : Installing and Updating Software Packages
- Module 15 : Accessing Linux File System
- Module 16 : Analyzing Servers and Getting Support

PYTHON PROGRAMMING

LEVEL 3 : COURSE DURATION : 40 hrs

- Module 01 : Python - An Introduction
- Module 02 : Comparisons of Python with other Language
- Module 03 : Python Variables & Data Types
- Module 04 : Operators
- Module 05 : Python Conditional Statements
- Module 06 : Python Looping Concept
- Module 07 : Control Statements
- Module 08 : Data Type Casting
- Module 09 : Python Number
- Module 10 : String

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- ★ Weekend / Weekdays Classes
 - ★ Classroom / Online Training
 - ★ Internship Opportunity
 - ★ 80% Practical 20% Theroetical

- Module 11 : Python List
- Module 12 : Python Tuple
- Module 13 : Python Dictionary
- Module 14 : Python Array

- Module 15 : Python Date & Time
- Module 16 : File Handling (Input / Output)
- Module 17 : Multithreading
- Module 18 : Python Mail Sending Program
- Module 19 : Database Connection
- Module 20 : OOPs Concepts
- Module 21 : Interacting with Networks

- Module 22 : Graphical User Interface
- Module 23 : Python Web Scraping
- Module 24 : Python for Image Processing
- Module 25 : Python Data Science
- Module 26 : Intro with Python Machine Learning
- Module 27 : Intro with Python Artificial Intelligence
- Module 28 : Functions

ETHICAL HACKING

LEVEL 4 : COURSE DURATION : 40 hrs

- Module 01 : Introduction to Basics of Ethical Hacking
- Module 02 : Foot-printing Active (Tool Based Practical)
- Module 03 : Foot-printing Passive (Passive Approach)
- Module 04 : In-depth Network Scanning
- Module 05 : Enumeration User Identification
- Module 06 : System Hacking Password Cracking & Bypassing
- Module 07 : Viruses and Worms
- Module 08 : Trojan and Back door
- Module 09 : Bots and Botnets
- Module 10 : Sniffers MITM with Kali
- Module 11 : Sniffers MITM with Windows
- Module 12 : Social Engineering Techniques Theoretical Approach
- Module 13 : Social Engineering Toolkit Practical Based Approach
- Module 14 : Denial of Service DOS & DDOS Attacks
- Module 15 : Web Session Hijacking
- Module 16 : SQL Injection Manual Testing
- Module 17 : SQL Injection Automated Tool Based Testing
- Module 18 : Basics of Web App Security
- Module 19 : Hacking Web servers Server Rooting

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 1 Year Membership
- ★ 80% Practical 20% Theroetical
- ★ 250 GB Toolkit
- ★ Extra Class / Backup Class
- ★ Course Certificate
- ★ Video Tutorial

- Module 20 : Hacking Wireless Networks Manual CLI Based
- Module 21 : Hacking Wireless Network
- Module 22 : Evading IDS, Firewall
- Module 23 : Honey pots
- Module 24 : Buffer Overflow
- Module 25 : Cryptography
- Module 26 : Penetration Testing: Basics
- Module 27 : Mobile Hacking
- Module 28 : Internet of Things (IOT) Hacking
- Module 29 : Cloud Security and many more

ADVANCED PENETRATION TESTING

LEVEL 5 : COURSE DURATION : 40 hrs

- Module 01 : Introduction
- Module 02 : In-Depth Scanning
- Module 03 : Exploitation
- Module 04 : Command Line Fun
- Module 05 : Getting Comfortable with Kali Linux
- Module 06 : Bash Scripting
- Module 07 : Practical Tools
- Module 08 : Active Information Gathering
- Module 09 : Passive Information Gathering
- Module 10 : Introduction to Buffer Overflows
- Module 11 : Buffer Overflows
- Module 12 : Fixing Exploits
- Module 13 : Locating Public Exploits
- Module 14 : Antivirus Evasion

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theroetical
- ★ Advanced Pentesting Class
- ★ Metasploit
- ★ VA/PT Tools

- Module 15 : File Transfers
- Module 16 : Windows Privilege Escalation
- Module 17 : Linux Privilege Escalation
- Module 18 : Password Attacks
- Module 19 : Port Redirection and Tunnelin
- Module 20 : Active Directory Attacks
- Module 21 : Power Shell Empire

- Module 22 : Trying Harder : The Labs
- Module 23 : Penetration Test Breakdown



CYBER FORENSICS INVESTIGATION

LEVEL 6 : COURSE DURATION : 40 hrs

- Module 01 : Computer Forensics in today's World
- Module 02 : Computer Forensics Investigation Process
- Module 03 : Hard-Disk and File-System
- Module 04 : Data-Acquisition and Duplication
- Module 05 : Defeating Anti-Forensics Techniques
- Module 06 : Windows Forensics
- Module 07 : Linux Forensics
- Module 08 : Network Forensics
- Module 09 : Web-Forensics
- Module 10 : Dark Web Forensics
- Module 11 : Cloud forensics
- Module 12 : Email-Forensics
- Module 13 : Malware Forensics
- Module 14 : Mobile forensics
- Module 15 : IOT forensics

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theroetical
- ★ Software Toolkit
- ★ Ebooks
- ★ Practise Forensics Labs
- ★ Certification

WEB APPLICATION SECURITY

LEVEL 7 : COURSE DURATION : 40 hrs  OWASP, TOP 10 &  SANS 25

- Module 01 : Introduction
- Module 02 : Owasp Top 10
- Module 03 : Recon for Bug Hunting
- Module 04 : Advanced SQL Injection
- Module 05 : Command Injection
- Module 06 : Session Management and Broken Authentication Vulnerability
- Module 07 : CSRF - Cross Site Request Forgery
- Module 08 : SSRF - Server Site Request Forgery
- Module 09 : XSS - Cross Site Scripting
- Module 10 : IDOR - Insecure Direct Object Reference
- Module 11 : Sensitive Data Exposure and Information Disclose
- Module 12 : SSTI - Server Site Template Injection
- Module 13 : Multi Factor Authentication Bypass
- Module 14 : HTTP Request Smuggling

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 1 Year Membership
- ★ Top 10 OWASP Training
- ★ Burpsuit/Proxy Interception
- ★ DVWA / SAMURAI 3.0
- ★ Vulnerable Web App Exploit

- Module 15 : XXE - XML External Entities
- Module 16 : LFI - Local File Inclusion and RFI
Remote File Inclusion
- Module 17 : Source Code Disclosure
- Module 18 : Directory Path Traversal
- Module 19 : HTML Injection
- Module 20 : Host Header Injection
- Module 21 : SQL Authentication Bypass
- Module 22 : File Upload Vulnerability
- Module 23 : JWT Token Attack
- Module 24 : Security Misconfiguration
- Module 25 : URL Redirection
- Module 26 : Flood Attack on Web

MOBILE APPLICATION SECURITY

LEVEL 8 : COURSE DURATION : 40 hrs

- Module 01 : Introduction to Mobile Penetration Testing
- Module 02 : Lab Setup
- Module 03 : Android Architecture
- Module 04 : APK file Structure
- Module 05 : Reversing App with APK tool
- Module 06 : Reversing App with MobSf
- Module 07 : Static Analysis
- Module 08 : Scanning Vulnerability with Drozer
- Module 09 : Improper Platform Usage
- Module 10 : Insecure Data Storage
- Module 11 : Insecure Communication
- Module 12 : Insecure Authentication
- Module 13 : Insufficient Cryptography
- Module 14 : Insecure Authorization
- Module 16 : Code Tampering
- Module 17 : Reverse Engineering
- Module 18 : Extraneous Functionality
- Module 19 : SSL Pinning
- Module 20 : Intercepting the Network Traffic
- Module 21 : Dynamic Analysis
- Module 22 : Report Preparation
- Module 23 : IOS Penetration Basics

INTERNET OF THINGS (IOT) PENTESTING

LEVEL 9 : COURSE DURATION : 40 hrs

- Module 01 : Overview of Why IoT is so important
- Module 02 : Introduction of IoT
- Module 03 : Introduction to Sensor Network & Wireless protocol
- Module 04 : Review of Electronics Platform, Production
& Cost Projection
- Module 05 : Conceiving a new IoT product- Product
Requirement document for IoT
- Module 06 : Introduction to Mobile app platform
& Middleware for IoT
- Module 07 : Machine learning for intelligent IoT
- Module 08 : Analytic Engine for IoT
- Module 09 : IaaS/PaaS/SaaS-IoT data, platform
and software as a service revenue
model

END POINT SECURITY

LEVEL 10 : COURSE DURATION : 40 hrs

- Module 01 : Implementing Internet Security Anti Virus
- Module 02 : Two-Factor Authentication Implementation
- Module 03 : Mobile Device Management For Industry
- Module 04 : Data Loss Prevention Overview & Implementation
- Module 05 : Security Information and Event Management (SIEM)
- Module 06 : APT- Attack
- Module 07 : MITRE Framework
- Module 08 : EDR
- Module 09 : MDR
- Module 10 : Next Generation Firewall
- Module 11 : Unified Threat Management
- Module 12 : Physical Security
- Module 13 : ISO 27001 Lead Auditor Guidelines

AWS ASSOCIATE

LEVEL 11 : COURSE DURATION : 40 hrs

- **Module 01 : Designing Highly Available, cost effective, scalable systems**
 - (a) Planning and Design
 - (b) Monitoring and Logging
 - (c) Hybrid IT Architectures
 - (d) Elasticity and Scalability
- **Module 02 : Implementation and Deployment**
 - (a) Amazon EC2
 - (b) Amazon S3
 - (c) Amazon Web Service Cloud Formation
 - (d) Amazon Web Service VPS
 - (e) Amazon Web Service IAM
- **Module 03 : Data Security**
 - (a) AWS IAM (Identify and Access Management)
 - (b) Amazon Web Service VPC
 - (c) Encryption Solutions
 - (d) Cloud watch logs
 - (e) Disaster Recovery
 - (f) Amazon Route 53
 - (g) AWS Storage Gateway
 - (h) Amazon Web Service Import/Export
- **Module 04 : Troubleshooting**

AWS SECURITY

LEVEL 12 : COURSE DURATION : 40 hrs

- **Module 01 : Given an AWS Abuse Notice, Evaluate a Suspected Compromised Instance or Exposed Access Key**
- **Module 02 : Verify that the Incident Response plan includes relevant AWS services**
- **Module 03 : Evaluate the Configuration of Automated Alerting and Execute Possible Remediation of Security-Related Incidents and Emerging Issues**
- **Module 04 : Design and implement security monitoring and alerting**
- **Module 05 : Troubleshoot security monitoring and alerting**
- **Module 06 : Design and Implement a Logging Solution**
- **Module 07 : Design Edge Security on AWS**
- **Module 08 : Troubleshoot Logging Solutions**
- **Module 09 : Design and implement a secure network infrastructure**
- **Module 10 : Troubleshoot a secure network infrastructure**
- **Module 11 : Design and implement host-based security**
- **Module 12 : Design and Implement a Scalable Authorization and Authentication System to Access AWS Resources**
- **Module 13 : Troubleshoot an Authorization and Authentication System to Access AWS Resources**
- **Module 14 : Design and implement key management and use**
- **Module 15 : Troubleshoot key management**
- **Module 16 : Design and implement a data encryption solution for data at rest and data in transit**

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CRAW ACADEMY

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