



# CYBERYAAN

TRAINING & CONSULTANCY

## Security Operations Centre Specialists



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## Module 1 : Networking Essentials

1.1 : Introduction to Computer Network

1.2 : Network Topologies and Type

1.3 : IP Addressing

1.4 : Subnet Mask, Subnetting and CIDR

1.5 : VLSM, Wild Card, Summarization

1.6 : Networking Models

1.7 : OSI Model

1.8 : Networking Device, Cabling, Network Simulator Tools



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## Module 1 : Networking Essentials

1.9 : ARP and ICMP

1.10 : Packet Flow

1.11 : Routing – Static and Dynamic

1.12 : Static Routing – Next HOP IP and Exit Interface

1.13 : Dynamic Routing - RIP, EIGRP and OSPF

1.14 : Remote Service Configuration

1.15 : DHCP Configuration

1.16 : ACLs



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## Module 1 : Networking Essentials

1.17 : Switching

1.18 : L2 Protocols - CDP, VLN, STP, DTP, VTP

1.19 : Ether Channel

1.20 : Port Security



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## Module 2 : Kali - Linux

2.1 : Introduction to linux

2.2 : Setting Up Lab

2.3 : Exploring Kali

2.4 : Sudo Overview

2.5 : Navigating the file system

2.6 : Basic Commands

2.7 : Creating, Viewing and Editing text Files

2.8 : Managing users and Group



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## Module 2 : Kali - Linux

2.9 : File Privileges and Permissions

2.10 : Linux Networking

2.11 : Process Management

2.12 : Services and Demos

2.13 : Log Analysis

2.14 : Archiving Files

2.15 : Debain Package Management

2.16 : Road Ahead – Towards Penetration Testing



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## Module 3 : Python Programming

3.1 : Introduction

3.2 : Set Up

3.3 : Variables and data types

3.4 : Numbers

3.5 : String formatting

3.6 : Booleans and Operators

3.7 : Tuples

3.8 : Lists



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## Module 3 : Python Programming

3.9 : Dictionaries

3.10 : Sets

3.11 : Conditionals

3.12 : Loops

3.13 : Reading and Writing

3.14 : User Input

3.15 : Exception and Error Handling

3.16 : Comprehensions





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## Module 3 : Python Programming

3.17 : Functions and Code Resuse

3.18 : Lambdas

3.19 : The Python Package Manner

3.20 : Python Virtual Environment

3.21 : Introduction to Sys

3.22 : Introduction to request

3.23 : Introduction to pwntools

3.24 : Projects



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## Module 4 : Ethical Hacking

4.1 : Networking Refresher

4.2 : Linux Refresher

4.3 : Introduction to Information Security

4.4 : Introduction to Ethical Hacking

4.5 : Foot Printing / Information Gathering

4.6 : Scanning

4.7 : Enumeration

4.8 : Vulnerabilities Analysis



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## Module 4 : Ethical Hacking

4.9 : System Hacking

4.10 : Malware and Threats

4.11 : Sniffing

4.12 : Social Engineering

4.13 : Denial of Service

4.14 : Session Hijacking

4.15 : IDS, IPS and Firewalls

4.16 : Hacking Web Servers



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## Module 4 : Ethical Hacking

4.17 : Hacking Web Applications

4.18 : SQL Injection

4.19 : Hacking Wireless Network

4.20 : Hacking Mobile Platforms

4.21 : Introduction to IOT

4.22 : Introduction to cloud computing

4.23 : Cryptography and Steganography



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## Module 5 : Security Operations Center Fundamentals

5.1 : Risk Management and Security

5.2 : Cyber Threats and Attack Patterns

5.3 : Incidents, Events and logging

5.4 : Security Incident and Recovery with SIEM

5.5 : Advanced Threat Detection and Analysis

5.6 : Security Event Response and Resolution



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## Module 6 : Splunk

6.1 : Introduction to Splunk

6.2 : Installing and Configuring Splunk

6.3 : Searching and Reporting in Splunk

6.4 : Indexing and Data

6.5 : Splunk Search Language (SPL)

6.6 : Creating Dashboards and Visualization

6.7 : Alerts and Notification

6.8 : Splunk Administration and Security



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## Module 6 : Splunk

6.9 : Splunk App Development

6.10 : Splunk Enterprise Security



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Training Duration : 200 to 220 Hrs

Training Mode : Online and Offline

Important Notes :

1. Laptop is Mandatory
2. Fees is 50000 + 18% Gst (CEH Practical Exam Voucher Included)
3. Instalment Date is before of 10<sup>th</sup> of Every Month.
4. Late Fees is applicable – 1000





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## Contact Us

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## Follows

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