

# CYBER SECURITY EXPERT

COURSE – 2024



# Vedas Rapshtech

*Success Matters*



**Vedas Rapshtech Pvt Ltd**

Plot no 56, Hitech City Rd,  
HUDA Techno Enclave, Madhapur, Hyderabad.

**Contact : 9133233888**

[www.Rapshtech.com](http://www.Rapshtech.com)

# CYBER SECURITY-Curriculum

## Module -1:

### **Introduction to Ethical Hacking & Cyber Security**

- **What is Ethical Hacking & Cyber Security?**
- **Importance of Cyber Security**
- **Cyber Security Domains**
- **CIA Triad**
- **Vulnerability, Threat and Risk**
- 



### **Networking Fundamentals**

- **Computer Networks and Types of Networks**
- **Network Devices**
- **IP and MAC Address**
- **IPv4 Addressing and Sub netting**
- **OSI Model and TCP/IP Model**
- **Network Protocols (TCP, UDP, ICMP, ARP)**
- **Network Services (DNS, DHCP, SNMP, FTP)**
- **Packet Analysis using Wireshark**
- 



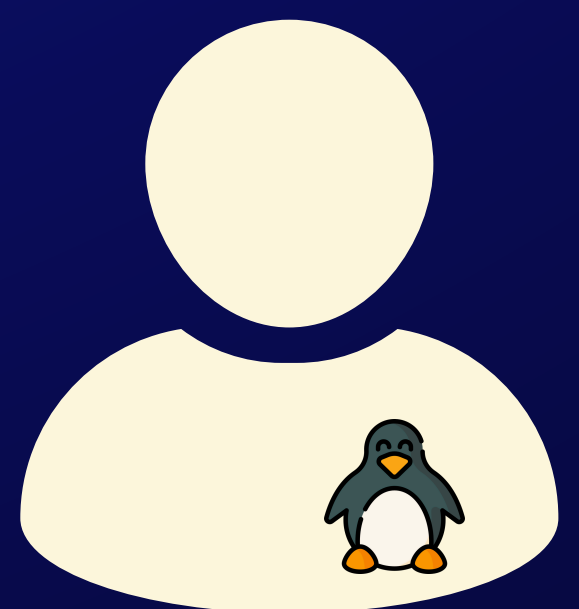
### **Linux Essentials**

- **History and Features of Linux**
- **Architecture of Linux OS**
- **Linux Distributions**
- **Linux Command Line**
- **Software Package Management**



### **Linux Administration**

- **File System**
- **Users and Groups**
- **File/Folder Permissions**
- **Special Permissions**
- **Disk Management**
- **Service and Process Management**



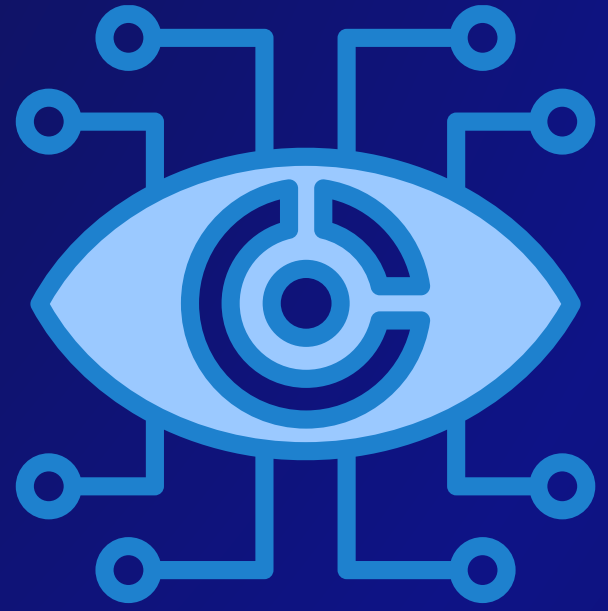
# Vulnerability Based Hacking Foot printing

- What is Footprinting
- Footprinting Objectives
- Footprinting Techniques



## Scanning

- What is Scanning
- What is Enumeration
- Scanning Methodology
- What is Vulnerability Auditing
- What is Penetration Testing
- Continuous Automated Red Teaming (CART)
- AI Fuzzing



## Password Hacking Attacks Password Cracking Attacks

- Brute force attack
- Dictionary attack
- Rainbow table attack



## Sniffers

- What is a sniffer
- Sniffing techniques
- ARP Poisoning
- Session Hijacking

## Phishing

- What is Phishing
- Spear Phishing
- Deepfake Phishing
- Whaling
- Pharming



## Wireless Hacking

- What is a wireless network
- Types of wireless networks
- Wireless network attacks
- Malware
- What is a Malware
- Types of Malwares



## Network Penetration Testing

- Introduction to Penetration Testing
- Types of Penetration Testing
- Pentesting Services
- Penetration Testing Phases
- OSINT
- Exploitation (Automated)
- Password Cracking



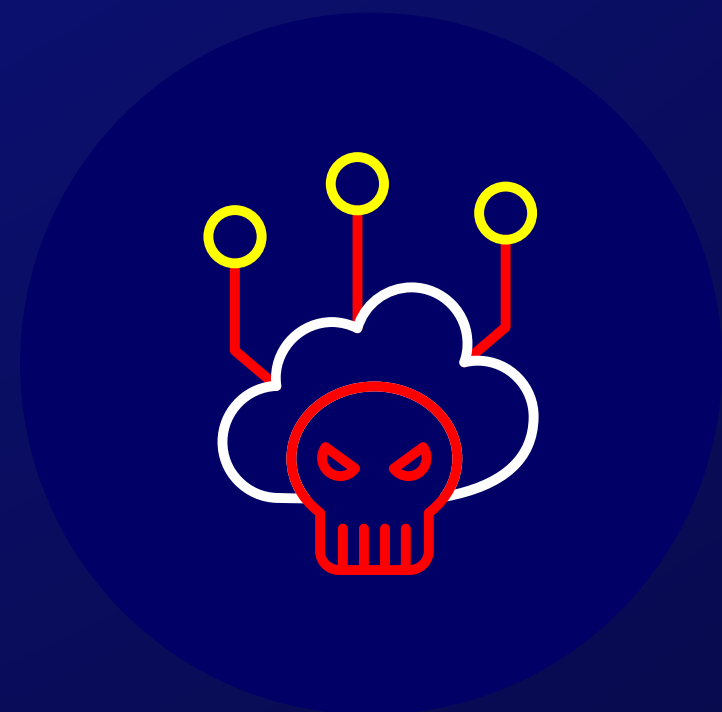
## Advanced Network Pentesting

- Manual Exploitation of System Vulnerabilities
- Post-Exploitation
- Privilege Escalation (Linux and Windows)
- Resolution & Retesting
- File Security



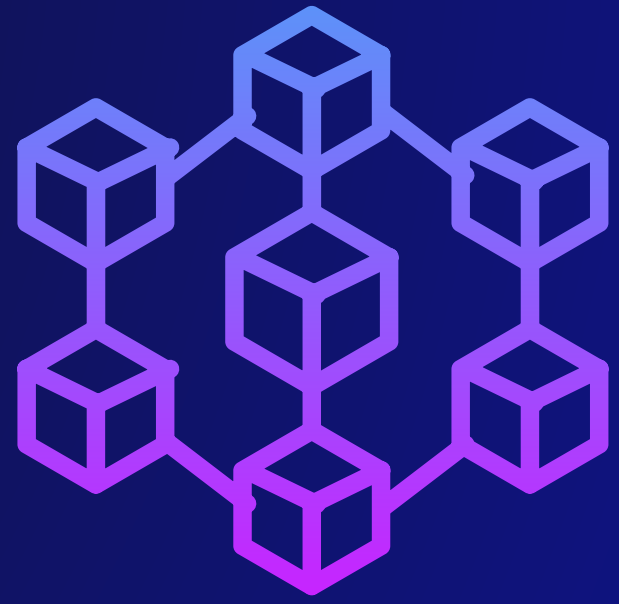
## IoT Attacks

- What is IoT
- IoT communication methods
- IoT Operating Systems
- IoT Attacks



## Blockchain Attacks

- What is Blockchain
- Blockchain Attacks
- Covering Tracks DoS
- What is DoS
- DoS attack techniques



## Anonymizers

- What is an anonymizer
- Proxy server
- VPN server
- TOR Browser



## DarkWeb

- What is DarkWeb
- Different DarkWeb technologies



## Cyber Kill Chain

- Securing the network
- MITRE ATT&CK Framework
- Security Compliance Standards

## Module 2: Proactive Defense and Countermeasures

### Introduction to Security

- Network Security Challenges
- Elements of Information Security
- Security, Functionality and Usability Triangle
- Zero Trust approach
- Castle Moat approach



## Firewall

- What is a Firewall
- Types of Firewall
- Designing network security with Firewall
- NAT
- Security Policy
- Logs Management
- Application Security
- Content / Web Security
- Authentication
- 



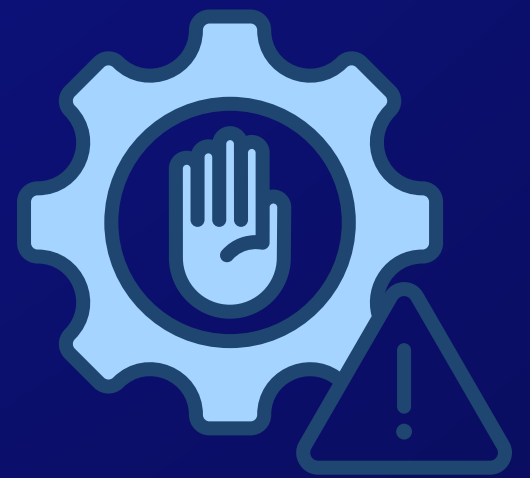
## Virtual Private Networks

- What is VPN
- Type of VPNs
- GRE
- IPSEC
- SSL
- 



## Intrusion Prevention Systems

- What is an Intrusion Detection System
- What is an Intrusion Prevention System



## Unified Threat Management

- What is UTM
- How UTM is different from Firewall
- Advantages of UTM
- High Availability
- Virtual / Cloud Devices
- Cisco ASA
- Stormshield UTM



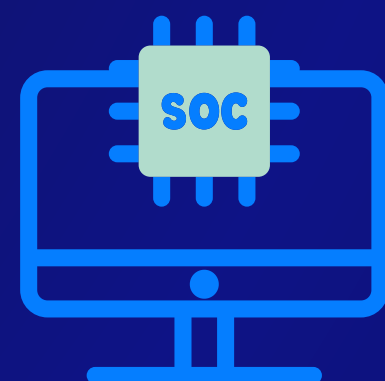
# Module 3: SIEM & Incident Response SIEM

- What is SIEM (Security information and event management)



## Security Operations Center (SOC)

- Functions of SIEM
- SIEM architecture



## Incident Management

- Incident response policy
- Incident Handling



*Vedas  
Rapshtech  
Course*



# Why Choose Us Over Others?

<b>Feature</b>	<b>Our Program</b>	<b>Other Institutes</b>
Location	Located in Hitech City, Hyderabad – the prestigious IT hub known for its professional environment.	Situated in a densely packed area filled with countless coaching centers, lacking the professional atmosphere
Curriculum	Comprehensive coverage of Java fundamentals, front-end (Angular), back-end (Spring, Spring Boot), and database management	Primarily focused on theoretical concepts with limited hands-on experience
Trainer Experience	Experienced trainer with 7+ years of corporate experience	Trainers with limited industry exposure
Hands-on Learning	Dedicated online and offline lab ecosystem for practical application of skills	Limited lab facilities and focus on theoretical learning
Placement Assistance	Guaranteed placement support with a salary range of 2.8LPA - 6LPA	Placement assistance with no guarantee or limited job opportunities
Course Duration	3-month intensive program	Varying durations, often longer and less intensive
Course Fee	Rs. 24,999 (same for online and offline)	Varying fees, often higher for offline programs
Trust Factor	Established reputation in the Edutech industry	Lack of industry recognition and trust

# Testimonials



"The cybersecurity course at Vedas Rapshtech was outstanding. The hands-on training and expert instructors helped me land a job as a Security Analyst. The practical skills I gained were invaluable!"



"Thanks to Vedas Rapshtech's cybersecurity course, I secured a role as a Cybersecurity Consultant. The course was thorough, and the career support was top-notch. Highly recommend it!"



"Vedas Rapshtech's course provided me with essential cybersecurity skills and real-world experience. I landed a position as an Information Security Specialist right after graduation. A great investment in my career!"



"The cybersecurity training at Vedas Rapshtech was fantastic. The practical exercises and expert guidance helped me get hired as a Network Security Engineer. The support was exceptional!"

**CONTACT US**



**Batch starts every 1st of Month**

**Vedas Rapshtech Pvt Ltd  
Plot no 56, Hitech City Rd,  
HUDA Techno Enclave, Madhapur, Hyderabad.**



**9133233888**

[www.Rapshtech.com](http://www.Rapshtech.com)