CEH v13 AI SYLLABUS

SIEM XPERT

Best CyberSecurityInstitutioninIndia

Committed to QUALITY, Committed to YOU.

OUR **STATISTICS**

50,000+
Trainees
across the globe

24*7
Real-Time Lab
Setup, Accessible
From Anywhere

65%
Average Salary
Hike

60 LPA
Highest
Package

3.5M
Job openings
in 2025

WHO CAN **JOIN THE COURSE?**

SIEMXPERTwasfounded with an intentionto offer a complete course that is specifically designed as per the current industry trends. Years of experience has helped us identify and understand the graduate-employee skills gap in the industry.

Freshers who want to start their career in Cyber Security.

Training gives best chance for them to reform their career and they will be able to perform the jobs like as an experience after this training.

People who have gap in their career and want to get high paying Jobs in MNCs.

People who are working on some other field and want to switch to Cyber Security.

People who are working in Cyber Security and wants to enhance their knowledge in Ethical Hacking.

ETHICAL HACKING TRAINING (SYLLABUS)

Phase 1 : Introduction to Ethical Hacking

- Fundamental Security Concepts
- Information Security Threats and Attacks
- Introduction to Ethical Hacking
- Ethical Hacking Concepts
- Introduction to the Cyber Kill Chain
- Introduction to Security Controls
- Introduction to Security Laws and Standards

Phase 2 : Footprinting and Reconnaissance

- Introduction to Footprinting
- Website Footprinting
- DNS Footprinting
- HTTrack (Demo)
- Shodan (Demo)
- Google Hacking Database (Demo)
- whois (Demo)
- Banner Grabbing (Demo)
- theHarvester (Demo)
- Footprinting Countermeasures
- Footprinting & Reconnaissance

ETHICAL HACKING TRAINING (SYLLABUS)

Phase 3 : Scanning and Enumeration

- Introduction to Network Scanning
- Ping Command (Demo)
- NMAP (Demo)
- Introduction to Enumeration
- Enumeration Countermeasures
- SMB Enumeration (Demo)
- NetBIOS Enumeration (Demo)
- DNS Enumeration (Demo)
- Network Resource Discovery Methods
- NetBIOS, SNMP & LDAP Network Enumeration
- NTP, DNS & Other Network Enumeration Techniques & Countermeasures

Phase 4 : System Hacking

- Introduction to Vulnerabilities
- Vulnerability Assessment Phases and Tools
- Vulnerability Assessment Tools and Techniques

ETHICAL HACKING TRAINING (SYLLABUS)

- Typesof Password AttacksandDefenses
- Password Cracking withMedusa(Demo)
- System Hacking & Manipulation
- Privilege Escalation
- Malware: Keyloggers
- Malware: Rootkits
- Malware: Trojans
- Malware: Introduction to Viruses
- Malware: Types of Viruses
- Malware: Worms
- Detecting Malware
- Malware Countermeasures
- Implementing Malware Concepts

Phase 4: Network and Perimeter Hacking

- Introduction to Sniffing
- Sniffing Attacks
- Sniffing Tools
- Sniffing Countermeasures
- Network Sniffing Techniques & Attacks

ETHICAL HACKING TRAINING (SYLLABUS)

- Introduction to Social Engineering
- Social Engineering Countermeasures
- Social Engineering Exploits
- Introduction to DoS and DDoS Attacks
- Types of DoS and DDoS Attacks
- DDoS Tools and Countermeasures
- Denial of Services Techniques & Attacks
- Introduction to Session Hijacking
- Network Level Session Hijacking
- Session Hijacking Implementation & Prevention
- IDS and Firewall Evasion Techniques
- WAF Detection with WAFW00F (Demo)
- Gaining Remote Access (Demo)

Phase 6 : Web Application Hacking

- Web Server Attack Methodology
- Types of Web Server Attacks and Countermeasures
- Compromising Web Servers
- Web Application Threats
- Web Application Hacking Methodology

ETHICAL HACKING TRAINING (SYLLABUS)

- Web Application Exploitation Concepts
- Introduction to SQL Injection Attacks
- Command Injection Attack (Demo)
- Compromising SQL Injection Attacks
- Web Attack Countermeasures

Phase 7 : Wireless Network Hacking

- Introduction to Wireless
- Wireless Attacks and Countermeasures
- Exploiting Wireless Vulnerabilities

Phase 8: Mobile Hacking

- WASP Top 10 for Mobile
- Mobile Attacks and Countermeasures
- Compromising & Exploiting Mobile Devices

ETHICAL HACKING TRAINING (SYLLABUS)

Phase 9 : IoT and OT Hacking

- Introduction to IoT Hacking IoT Communication
- Models and Operating Systems IoT Attacks and
- Threats IoT Attack Countermeasures OT Concepts
- OT Attacks and Countermeasures Compromising IoT
- & OT platforms
-
-

Phase 10 : Cloud Computing

- Introduction to Cloud Environments
- Cloud Computing Services
- Benefits of Cloud Computing
- Cloud Threats and Attacks
- Cloud Security Considerations
- Introduction to Cloud Computing Vulnerabilities

ETHICAL HACKING TRAINING (SYLLABUS)

Phase 9 : Cryptography

- Introduction to Cryptography
- Hashing, Digital Certificates and Digital Signatures
- Cryptography Attacks and Countermeasures
- Cryptographic Concepts, Implementation & Detection

Phase 10 : Conclusion

- Conclusion
- Ethical Hacking (CEH Preparation)

ABOUT **SIEM XPERT**

Company Profile

SIEM XPERT is the Global leader in Cyber Security Trainings and Services, having headquarter in Bangalore (Karnataka) and in operations since 2015.

We have helped more than 10000 people globally to start their career in a high demanding, high paying field of cyber security and helped them to change their lives.

Our partnership with numerous businesses that hire cyber security professionals allows us to recommend our trained students to them.

We have a world-class real-time company-type lab setup on several cyber security tools that allows students real-time hands-on practise so they can become ready to deploy and can deliver quality from day one. As a result, they are favoured by employers since they don't have to train them.

By providing corporate trainings we assist companies to enhance cyber security skills of their employees.

MISSION

Company Mission

As global market is having Cyber Security resources crunch hence our mission is to fulfill those open position by generating ready to deploy cyber security resources and give them real-time practical hands-on experience with the help of world class Cyber Security Lab.
We also aim to offer the best managed cyber security services to businesses so they can monitor their networks for cyber threats.

SULABH MISHRA

CEO,Cyber Security Trainer & Solution Architect

Sulabh Mishra has around 12+ years of experience in Cyber Security. He worked as Security tool administrator, Technical Consultant, Solutions Architect in the companies like Altisource, Accenture, Ericsson etc. Sulabh is Certified expert for Arcsight, Splunk, McAfee, Qradar and other SIEM tools as well as CEH, CISA and CISSP. He strongly believes that there is a huge demand in the market for Cyber Security now and near future and people should be well trained to take these new challenges to fulfil their job responsibilities.
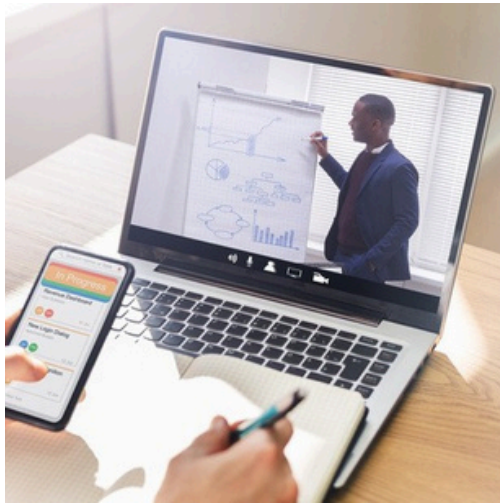
OUR STUDENTS WORK IN COMPANIES LIKE

The Best Companies

Microsoft AUJAS CYBERSECURITY INSPIRE accenture

Capgemini cognizant pwc Atos

KPMG Deloitte. IBM Infosys

Mphasis Unleash the Next Gattrix NTT DATA TCL

wipro NETWORK INTELLIGENCE tcs TATA CONSULTANCY SERVICES adani

ERICSSON MICROLAND amazon citibank

hp Nestlé DELL Apple LTI

SONY Coca-Cola DRIVE-IT CAR RENTAL • CHANIA CRETE QOS

SIEM XPERT
Get trained today !

CYBER SECURITY TRAININGS

- SOC Analyst
- Splunk SIEM
- Vulnerability Assessment
- Arcsight SIEM
- Microsoft Azure Sentinel
- IBM Qradar
- Certified Ethical Hacking(CEH)
- Threat Hunting
- CISSP, CISA and many more

splunk>   ArcSight   Azure Sentinel   IBM QRadar

CEH Certified Ethical Hacker   CISSP Certified Information Systems Security Professional   CISA Certified Information Systems Auditor. An ISACA' Certification

SIEM XPERT
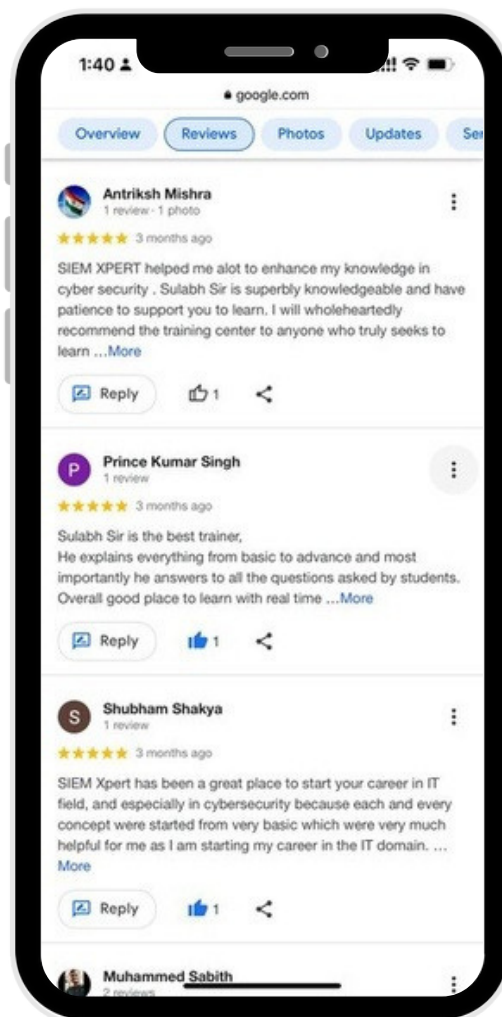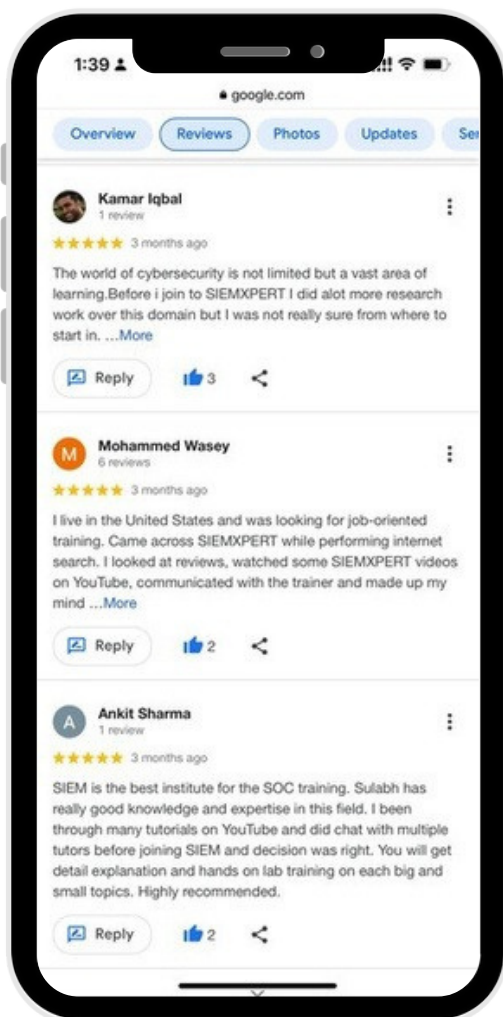Get trained today !

CYBER SECURITY SERVICES

- Managed SOC Services
- Penetration services
- Security compliance and governance services
- and many more

MANAGED SECURITY SERVICES

Security & Compliance

Penetration testing

WHAT OUR **TRAINEES** ARE SAYING

4.9 ★★★★★   **801 Google reviews**

SESSION-TIME AT
SIEM XPERT

SOME OF THE RECENTLY
PLACED TRAINEES

Mahfooz Alam
Tata Communcations
(11.5 LPA)

Anand Dongre
Trojan Hunt
(11.5 LPA)

Ujjaval Srivas
Tata Advance
(7.5 LPA)

Ranjit Dhakad
SMBC
(8.7 LPA)

Mobbasar Khan
Tata Communcations
(9.5 LPA)

Ashish Pandey
Karvy Infotech
(7.5 LPA)

Kishor Nikam
Capgemini
(8.7 LPA)

Khushboo Tiwari
NSE3
(11.5 LPA)

Shashidhar k
DriveIT
(6.6 LPA)

Abhishek Tiwari
Inspira
(8.8 LPA)

Sambit Padhy
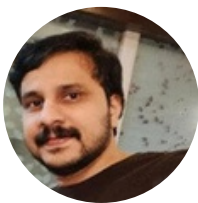Adani Group
(12.5 LPA)

Meenu Lal
HCL Technologies
(60 LPA)

SOME OF THE RECENTLY
PLACED TRAINEES

Hari Kumar
ATOS
(11.5 LPA)

Vidhi Jain
Aujas Cybersecurity
(13.5 LPA)

Vikram Rawat
KPMG
(32 LPA)

Arti Dekate
MappleCloud Technologies
(8.5 LPA)

Meenu Bhatt
TCS
(22.4 LPA)

Dheeraj Kumar
CMSIT
(7.5 LPA)

Sanjay Kumar
QOSTechnologies
(12.5 LPA)

Amit Tiwari
Microland
(9.5 LPA)

Sangeetha R
IBM
(16 LPA)

Bharthi R
Ericsson
(13 LPA)

Swati Deshmukh
Deloitte
(17 LPA)

Ramkrishan Dubey
Sattrix
(12.5 LPA)

SIEM XPERT

Get trained today !

No.1 Cyber security Training & Consulting services in India, US, UK & 30+ countries with 8+ years old Excellence.

For real-time Cyber Security trainings, contact us-

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