LITZ TECH

India Private Limited

Empowering Business Globally

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WE PROVIDE
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Trainers have 13+ years experience

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CYBER SECURITY TRAINING

BEST CYBER SECURITY COURSE IN COIMBATORE

Cyber security is the practice of protecting computers, networks, applications and data from attacks, theft and damage. With businesses moving to the cloud and every service going online, the demand for skilled security professionals is growing faster than ever. At Litz Tech, you can learn ethical hacking and defensive security techniques from experienced, top-rated instructors. Whether you want to become an Ethical Hacker, Penetration Tester, SOC Analyst or Security Consultant, this institute has got you covered. Join the Best Cyber Security Training Institute in Coimbatore and take your career to new heights in the world of information security.

KEY FEATURES OF CYBER SECURITY COURSE IN COIMBATORE

- You'll learn the fundamentals of **networking, operating systems and security concepts** that every cyber security professional needs.
- Hands-on practice with **ethical hacking** and **penetration testing** in a safe, controlled lab environment.
- Understand how attackers think – from reconnaissance and scanning to exploitation – and how to defend against each stage.
- You'll get deep knowledge of industry tools like **Kali Linux, Nmap, Wireshark, Burp Suite, Metasploit** and Nessus.
- You will gain the skill to find and fix **web application vulnerabilities** based on the OWASP Top 10.
- Learn how to monitor threats, analyse logs and respond to security incidents like a real **SOC Analyst**.
- You'll learn the basics of cryptography, cloud security and digital forensics.

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WHY CYBER SECURITY COURSE IN COIMBATORE?

If you're interested in becoming a cyber security expert, this Cyber Security Certification Course in Coimbatore is perfect for you. It is specifically designed to provide you with a comprehensive understanding of both offensive and defensive security technologies. Throughout the course, you will gain hands-on experience in scanning networks, testing web applications, identifying vulnerabilities, preparing security reports and responding to incidents. By the end of the course, you will have the skills and knowledge necessary to excel in the field of cyber security.

Our training program offers a comprehensive understanding of cyber security technology and teaches students how to protect systems from various types of attacks. The courses are taught by certified experts who provide in-depth knowledge and practical skills. Additionally, Litz Tech also offers placement assistance to help cyber security students kickstart their careers. Whether you're a beginner or have some experience, our Cyber Security Training Institute in Coimbatore is the perfect place to learn about security using the latest techniques.

- Train from professionals with industry experience
- Learn theoretical concepts and gain hands-on training simultaneously
- Real-time hands-on practical experience training to imbibe corporate practices
- Get certified at the end of the training
- Receive placement support once the training is completed
- Getting exposure to latest technology upgradations
- Advanced lab facility and most updated syllabus and materials will be provided with learning tools for easy learning
- You will have the access to contact the trainers at anytime.

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Course Syllabus

- Introduction to Cyber Security
- Networking Fundamentals
- Operating System Security (Linux & Windows)
- Footprinting & Reconnaissance
- Scanning & Enumeration
- System Hacking & Malware Threats
- Web Application Security
- Network & Wireless Security
- Cryptography
- Vulnerability Assessment & Penetration Testing
- SOC & Incident Response
- Cloud Security & Digital Forensics
- Add-on Features

Introduction to Cyber Security

- What is Cyber Security – CIA Triad (Confidentiality, Integrity, Availability)
- Types of Hackers – White Hat, Black Hat, Grey Hat
- Types of Cyber Attacks and Threat Actors
- Cyber Kill Chain and Attack Lifecycle
- Security Policies, Laws and IT Act (India)
- Setting up the Hacking Lab (VirtualBox, Kali Linux)

Networking Fundamentals

- OSI & TCP/IP Models
- IP Addressing, Subnetting, MAC Address
- Common Protocols – HTTP, HTTPS, DNS, DHCP, FTP, SMTP
- Ports & Services
- Firewalls, IDS/IPS, VPN, Proxy
- Packet Analysis using Wireshark

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Operating System Security (Linux & Windows)

- Linux Commands, File Permissions, Users & Groups
- Windows Architecture, Registry, Active Directory Basics
- System Hardening and Patch Management
- Bash and PowerShell Basics
- Log Files and Event Viewer

Footprinting & Reconnaissance

- Passive & Active Information Gathering
- WHOIS, DNS Enumeration, Google Dorking
- OSINT Tools and Techniques
- Email & Website Footprinting
- Countermeasures

Scanning & Enumeration

- Host Discovery and Port Scanning with Nmap
- Service & OS Fingerprinting
- Banner Grabbing
- SMB, SNMP, LDAP, NetBIOS Enumeration
- Scan Evasion Techniques

System Hacking & Malware Threats

- Password Attacks – Brute Force, Dictionary, Hash Cracking
- Privilege Escalation
- Keyloggers, Trojans, Viruses, Worms, Ransomware
- Social Engineering & Phishing
- Covering Tracks and Anti-Forensics
- Basic Malware Analysis

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Web Application Security

- OWASP Top 10 Vulnerabilities
- SQL Injection, XSS, CSRF, File Inclusion
- Authentication & Session Management Flaws
- Web Server & API Security Testing
- Burp Suite – Intercepting and Testing
- Secure Coding Practices

Network & Wireless Security

- Sniffing, Spoofing, MITM Attacks
- DoS & DDoS Attacks and Mitigation
- Wi-Fi Encryption – WEP, WPA, WPA2, WPA3
- Wireless Attacks and Defence
- Firewall, IDS/IPS and Honeypots
- Session Hijacking

Cryptography

- Symmetric & Asymmetric Encryption
- Hashing, Digital Signatures, Certificates
- PKI, SSL/TLS
- Steganography
- Cryptographic Attacks

Vulnerability Assessment & Penetration Testing

- Vulnerability Scanning with Nessus / OpenVAS
- Exploitation using Metasploit Framework
- Post-Exploitation Techniques
- Penetration Testing Methodology – Planning to Reporting
- Writing Professional VAPT Reports

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SOC & Incident Response

- Security Operations Center (SOC) Overview
- SIEM Basics – Log Collection & Correlation
- Threat Intelligence and Threat Hunting
- Incident Response Lifecycle
- Endpoint Security – Antivirus, EDR

Cloud Security & Digital Forensics

- Cloud Computing Models and Shared Responsibility
- AWS / Azure Security Basics, IAM
- Introduction to Computer Forensics
- Evidence Collection and Disk Imaging
- Mobile & IoT Security Basics

Add-on Features

- Bug Bounty Introduction & Live Practice (TryHackMe / Hack The Box)
- Capture The Flag (CTF) Challenges
- Resume Building & Mock Interviews
- Certification Guidance – CEH, CompTIA Security+, CISSP Foundation

Tools You Will Learn

Kali Linux • Nmap • Wireshark • Burp Suite • Metasploit • Nessus • Hydra • John the Ripper • Aircrack-ng • SQLmap • Nikto • Splunk / ELK (SIEM Basics)

Career Opportunities

- Ethical Hacker
- Penetration Tester / VAPT Analyst
- SOC Analyst (L1 / L2)
- Cyber Security Analyst
- Network Security Engineer
- Security Consultant
- Digital Forensics Analyst

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Our Training Benefits

Check out our innovative key features in training methodologies. Our flexible training mechanisms incorporate all techniques right from knowledge assessment till setting placement records.

- Gain knowledge from experienced professionals in the field.
- Learn both theoretical concepts and gain practical experience at the same time.
- Training that provides real-world, hands-on experience in order to teach proper workplace practices.
- Grab certification upon completion of training
- Receive placement assistance following completion of training
- Being exposed to the most recent technological advancements.
- Learning tools will be provided along with the most up-to-date lab facilities, curriculum, and course materials
- You will be able to connect with the trainers at anytime.

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