



Vulnerability Management Training & Placement Program

From Beginner to Expert – Get 100% Job-Ready with Real Tools, Internship, and Placement

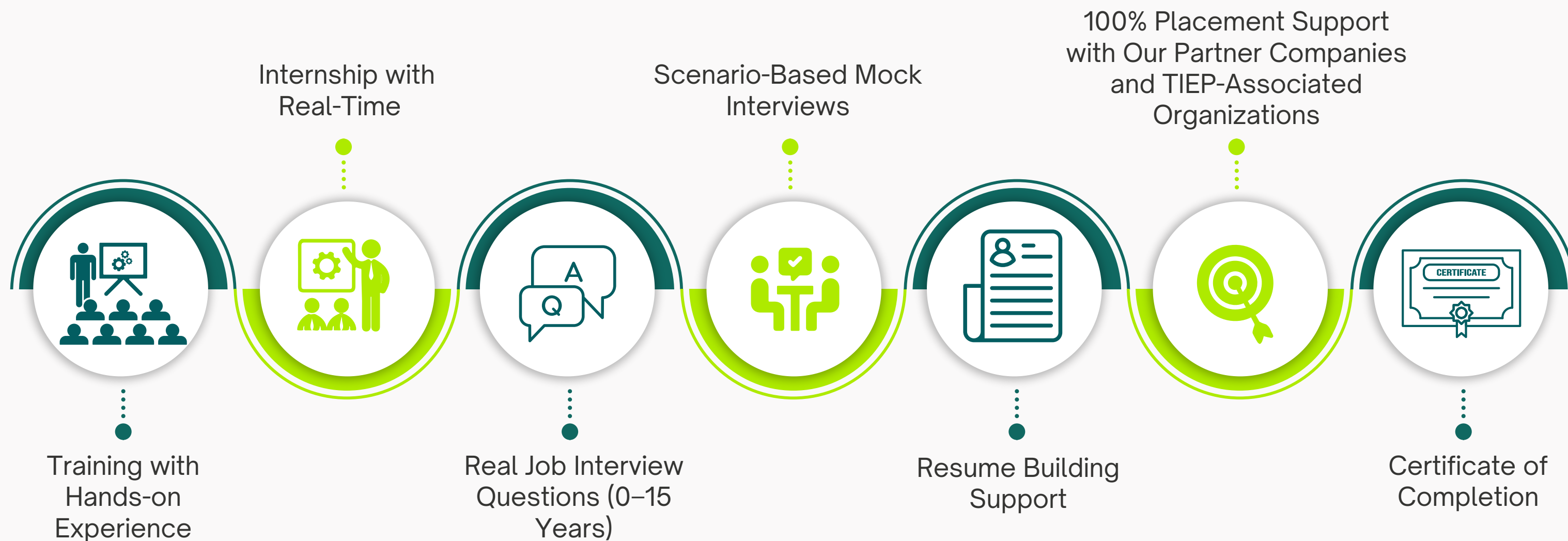
- Non-IT Friendly – No Prior Experience Required
- Designed for Freshers & Working Professionals (0–15 Years of Experience)
- Hands-on with Tools: Qualys, Nessus, Rapid7, JIRA, ServiceNow, OSTickets
- Includes: Training with Hands-on Experience & Real time Internship, Resume Building, Mock Interviews, and Placement with Our Partner Companies and TIEP-Associated Organizations



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 www.cybersecxperts.com

Career Launchpad — From Training to Offer



Vulnerability Management Course Syllabus

Module 1: IT & Cybersecurity Basics — Start from Zero

- What is a Computer, Network, Application?
- Windows vs Linux – Basics for Security
- What is a Server? How are they used in IT?
- Introduction to Cybersecurity, Threats, Risks & Vulnerabilities
- CIA Triad and Asset Classification
- Cryptography
- Cloud vs On-Prem (AWS, Azure Overview)

Module 2: Networking & OS Fundamentals

- TCP/IP Model, Network Ports, Protocols
- Subnets, Firewalls, Proxies – How they relate to VM
- Windows & Linux Services and Updates
- Command-line basics (for log, patch, and OS checks)

Module 3: Vulnerability Management Essentials

- What is Vulnerability Management (VM)?
- Lifecycle: Discover → Analyze → Remediate → Track
- CVE, CVSS, NVD, CISA KEV
- Vulnerability Types: OS, Network, App, Cloud, 3rd Party
- Vulnerability Management vs Penetration Testing
- Roles & Responsibilities in VM Teams

Module 4: Hands-On With Vulnerability Tools

- Qualys (VMDR), Tenable Nessus, Rapid7 InsightVM
- Basic Usage, Asset Discovery, Scan Configuration
- Launching Scheduled & Ad-hoc Scans
- Agent-Based Scan vs Agentless Scan
- External Scan vs Internal Scan
- Interpreting Scan Reports, Plugin IDs, Proof, Fix

Module 5: Cloud & Container Security

- Shared Responsibility Model in Cloud
- AWS EC2, Azure VM Scanning (Qualys/Nessus Cloud)
- Overview: S3 Buckets, Public IPs, Misconfigurations
- Container Security Basics: Docker/Kubernetes Concepts
- Vulnerability Detection in Images (Trivy, Anchore demo)

Module 6: Risk-Based Vulnerability Prioritization

- CVSS Score Understanding + Business Context
- False Positive Identification
- Asset Criticality & Risk Scoring Matrix
- Prioritization Workflows for Critical Patches

Module 7: Patching, Remediation & SLA Tracking

- What is Patching? Patch Deployment Lifecycle
- Infra, Dev, Cloud Team Coordination
- SLA Enforcement
- Change Management & Exception Handling
- Tools: ServiceNow, JIRA, OSTicket

Module 8: Application Security Basics

- What is Application Security? OWASP Top 10 Overview
- Intro to Web Vulnerabilities: XSS, SQLi, Broken Auth
- Vulnerabilities in Code – Basic Awareness
- SAST, DAST, IAST – High-level understanding
- When to Escalate App Vulns to Dev Teams

Module 9: Compliance & Security Frameworks

- Regulatory Requirements in Security Programs:
- PCI DSS | ISO/IEC 27001 | HIPAA | GDPR | NIST 800-53
- Mapping CVEs to Controls
- SCAP Standard (Overview)
- Audit Support & Documentation Templates

Module 10: Reports That Get You Noticed

- Weekly & Monthly Reports for Tech & Management
- Excel Templates & Power BI Dashboards
- KPIs: Open Vulns, SLA Compliance, Aging, MTTR
- Custom Reports for Audit / Board Reviews
- Auto-Scheduling and Distribution Best Practices

Module 11: Governance & Lifecycle Program Design

- VM Program Structure: Roles, Owners, Frequency
- SLA & Policy Documents – What to Track
- Risk Acceptance & Exception Governance
- Internal & External Reporting Alignment

Module 12: Vulnerability Management Automation

- Auto-scheduling Scans and Reports
- Email Alerts and Auto Ticket Generation
- APIs (Qualys/Nessus) for Integration
- Connect with: SOAR, SIEM, JIRA

Module 13: Integration with DevOps & CI/CD

- Introduction to CI/CD: Jenkins, GitLab, Azure DevOps
- Shift-Left Security – What is it and how it helps
- Injecting VM into Development Lifecycle
- Auto Scan Trigger During Code Merge
- Sample Flow: Git → Scan → JIRA Ticket



THANK YOU



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