



**Innova**  
TRAINING INSTITUTE

Hack Ethically. Learn Practically. Secure the Future.

# **Training Certificate in Cyber Security Tools and Essentials**

**Hands-on labs | Industry tools | 1-month internship**

# Training Certificate in Cyber Security Tools and Essentials

Gain hands-on expertise in cybersecurity and ethical hacking through a structured, beginner-friendly program. This course covers everything from network fundamentals and operating systems to real-world penetration testing, bug bounty hunting, and social engineering tactics. You'll learn to use industry-standard tools like Burp Suite, Nmap, and Linux in practical lab settings. With guided simulations, CTF challenges, and a professional internship, you'll graduate job-ready with the skills to explore careers in cybersecurity, ethical hacking, or bug bounty research.

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## Overview

# Master Cyber Security Tools and Essentials

This comprehensive program introduces learners to the fast-growing world of cybersecurity through a structured, hands-on learning path. With no prior experience needed, participants explore key areas like network security, operating systems, ethical hacking, and real-world penetration testing using industry tools like Burp Suite, Nmap, and Linux.

By progressing through live labs, guided simulations, and expert-led sessions, learners build the skills to identify, exploit, and report vulnerabilities. The course ends with a practical internship, preparing students for careers in cybersecurity, ethical hacking, or bug bounty research.

### Build a Real Hacker's Toolkit

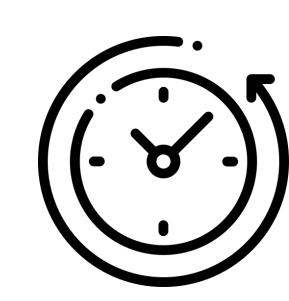
Learn to set up labs, use offensive security tools, and simulate exploits across systems and networks.

### Go Beyond Theory with Practice

Apply your learning in CTFs, live bug hunts, and an optional internship with a US-based firm.

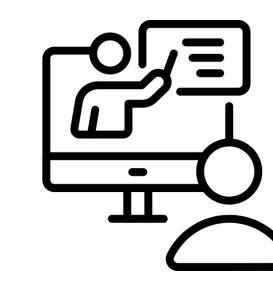
## Overview

# Key Highlights



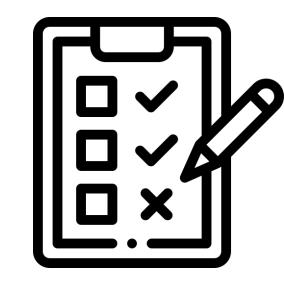
### Duration

2-month course with weekend sessions



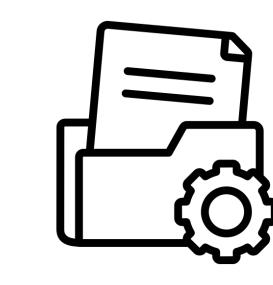
### Experience Level

Beginner to intermediate



### Internship

1-month industry internship

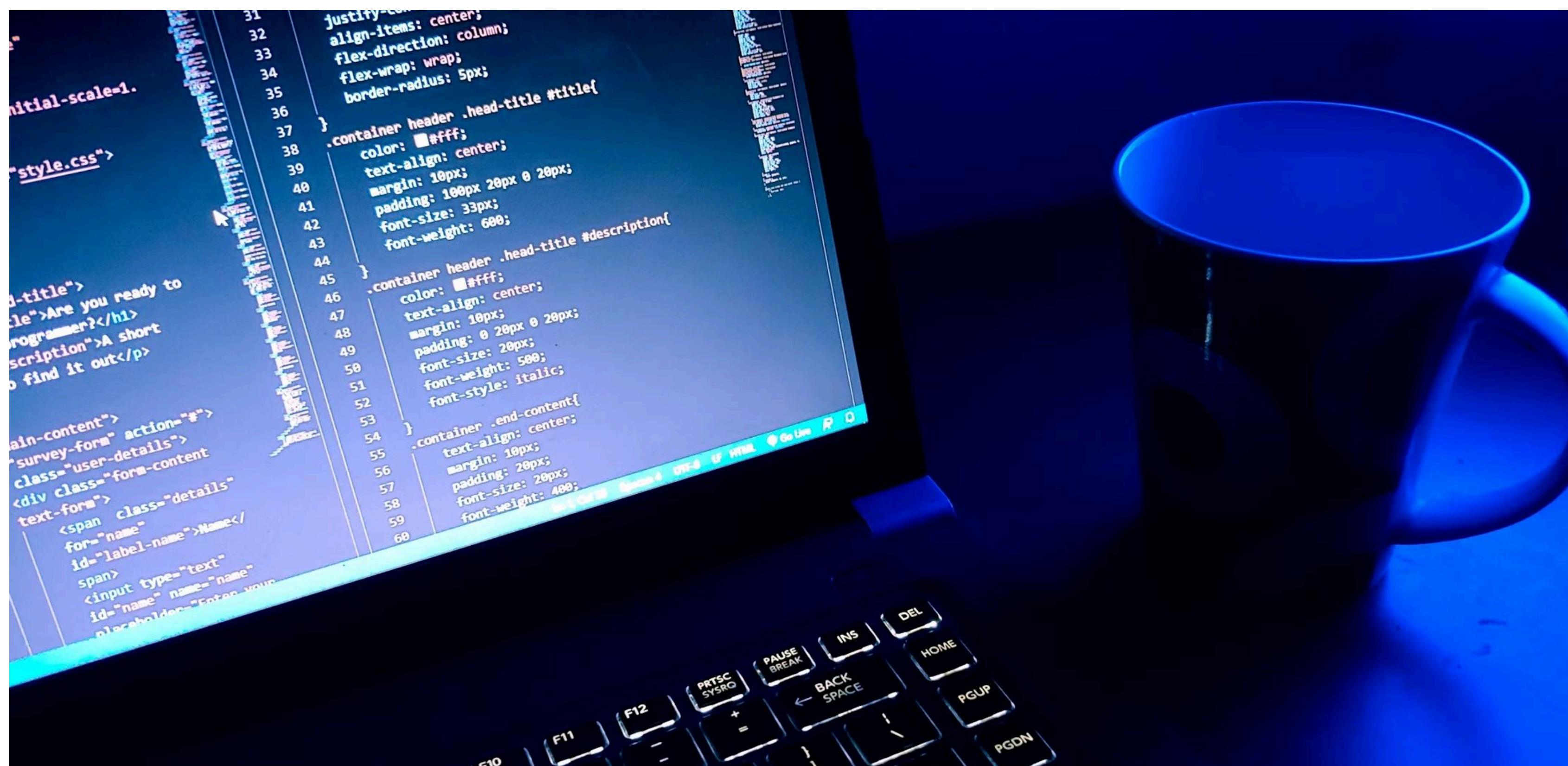


### Tools

Learn Nmap, Burp Suite, Linux, more

# Foundations of Cybersecurity

This introductory module helps learners build a strong foundation in cybersecurity. It covers the core concepts of ethical hacking, explores how networks function, and introduces Windows and Linux systems from a hacker's perspective. Participants will also learn essential Linux commands and configure lab environments to safely practice ethical hacking techniques.



## Topics Covered

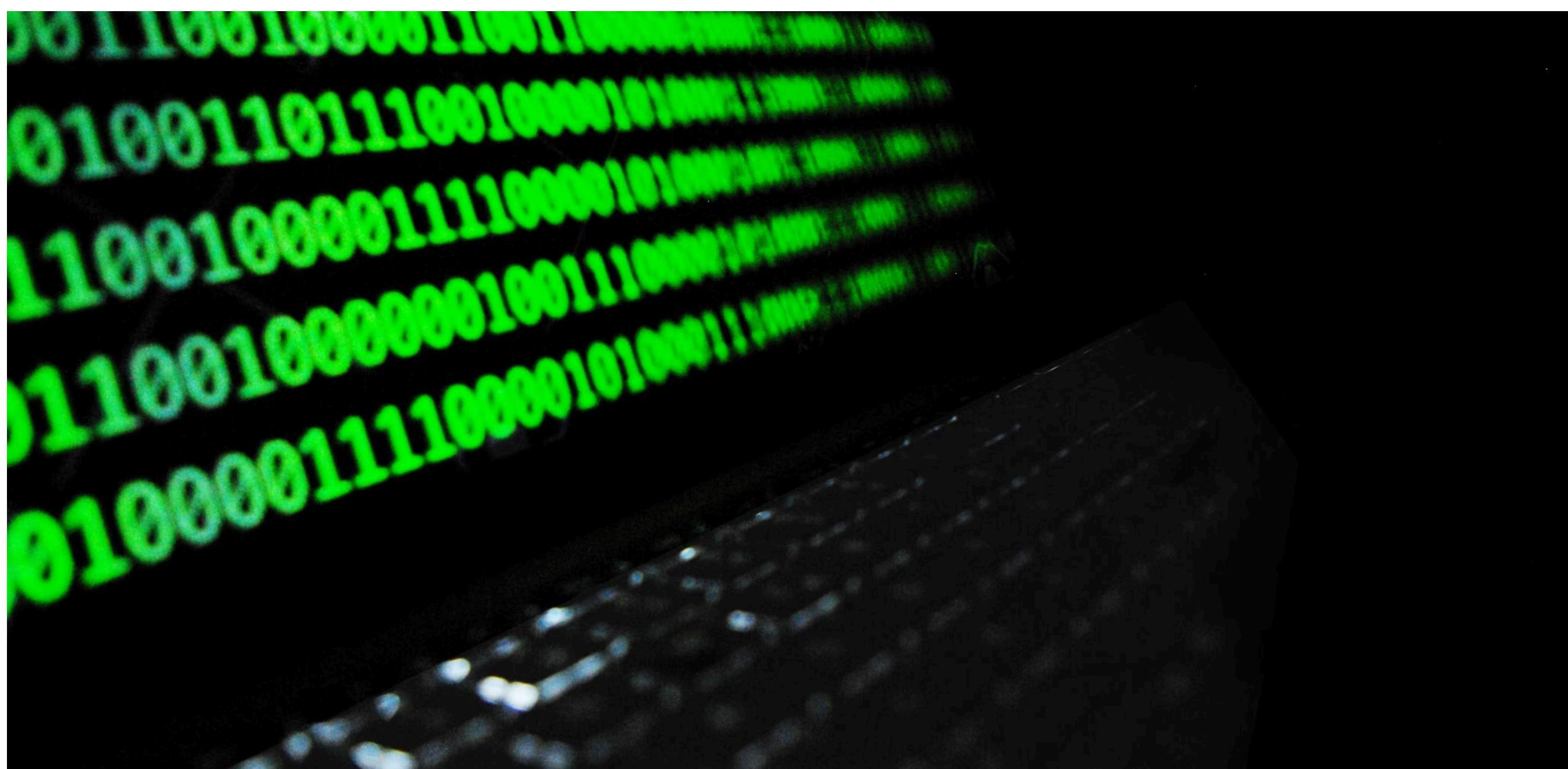
- Introduction to cybersecurity concepts and hacker ethics
- Basics of networking and OS fundamentals
- Guided setup of Windows/ Linux virtual labs
- Practical command-line operations for real-time simulations

## Tools Covered



## Vulnerability Discovery & Testing

This module dives into penetration testing and vulnerability assessment. Learners are introduced to the OWASP Top 10, taught how to conduct web application testing, and guided through bug bounty environments. Using real-world tools and simulated platforms, participants begin applying offensive tactics in controlled setups to discover and exploit security flaws.



### Topics Covered

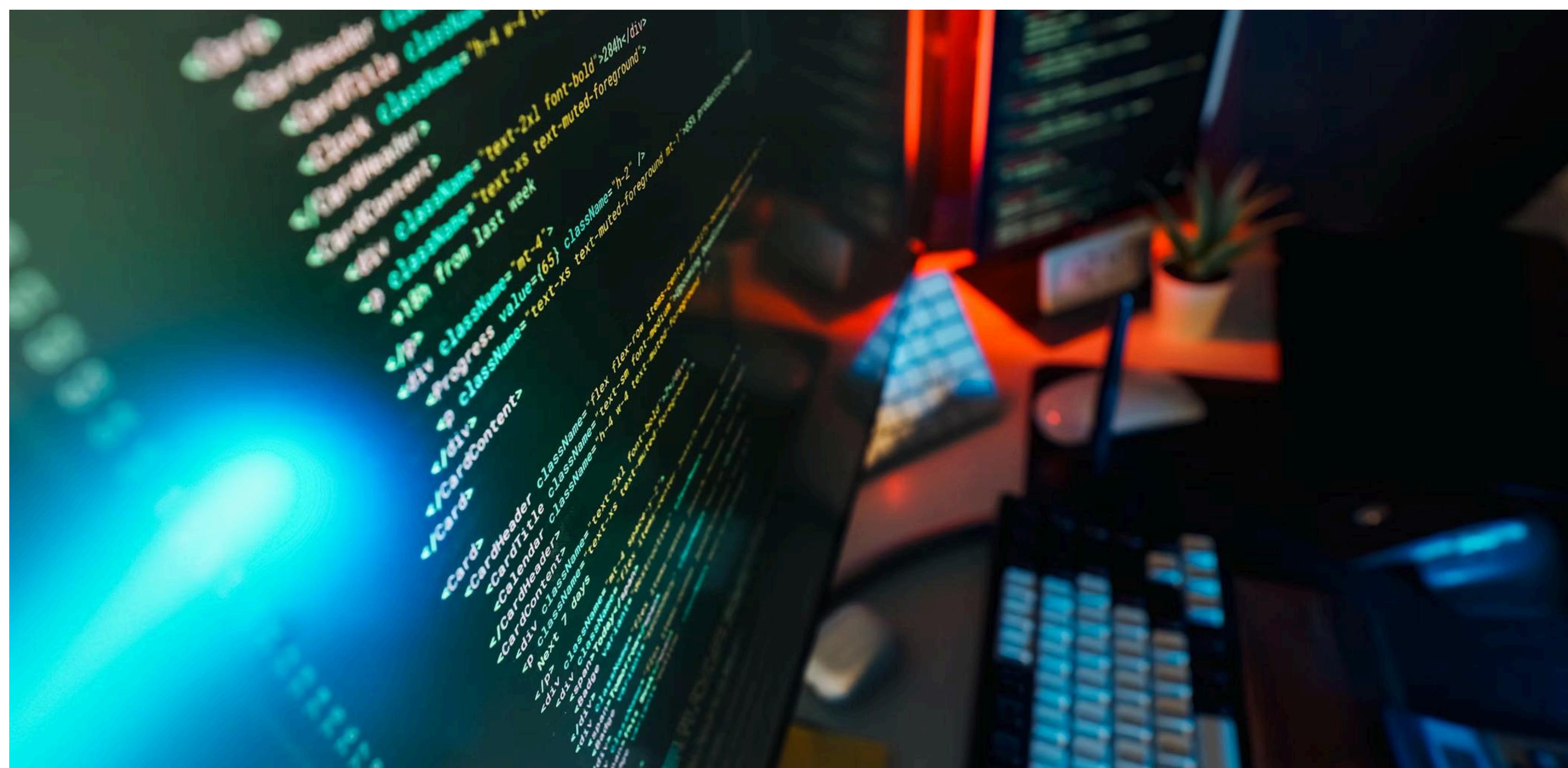
- Practical network and web application exploitation
- Bug bounty tools and environment setup
- Deep dive into OWASP vulnerabilities
- Pentesting techniques for real-world scenarios

### Tools Covered



# Reconnaissance & Social Engineering

In this stage, learners sharpen their information gathering and social engineering skills. This module focuses on reconnaissance tactics like Google Dorking, open-source intelligence (OSINT), and both active and passive footprinting. Realistic simulations including guided bug hunts and social engineering case studies prepare learners to assess and defend against manipulative threats.



## Topics Covered

- OSINT strategies and footprinting tools
- Social engineering psychology and prevention
- Simulated bug bounty hunts
- Google Dorking and ethical data discovery

## Reconnaissance & Social Engineering

The final module emphasizes hands-on practice, automation basics, and career mapping. Learners engage in Capture The Flag (CTF) challenges, use scripting for efficiency, and understand how to document findings professionally. The module ends with a certification roadmap, offering guidance on building a portfolio and preparing for security roles or bug bounty careers.



### Topics Covered

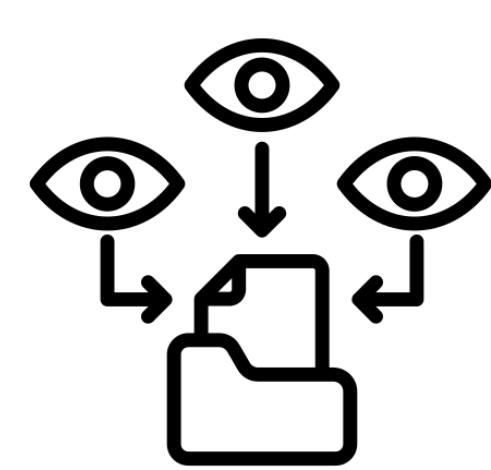
- OSINT strategies and footprinting tools
- Social engineering psychology and prevention
- Simulated bug bounty hunts
- Google Dorking and ethical data discovery

## Capstone Project

# Simulate, Secure & Report

The capstone project brings together everything you've learned into a real-world simulation challenge. You'll design and execute a guided cybersecurity attack scenario in a safe lab environment using tools like Nmap and Burp Suite.

From identifying vulnerabilities to reporting exploits, this project replicates the professional workflow of ethical hackers and bug bounty researchers, giving you a job-ready portfolio piece.



### Recon & Scan

Perform active and passive information gathering using scanning tools and dorking techniques



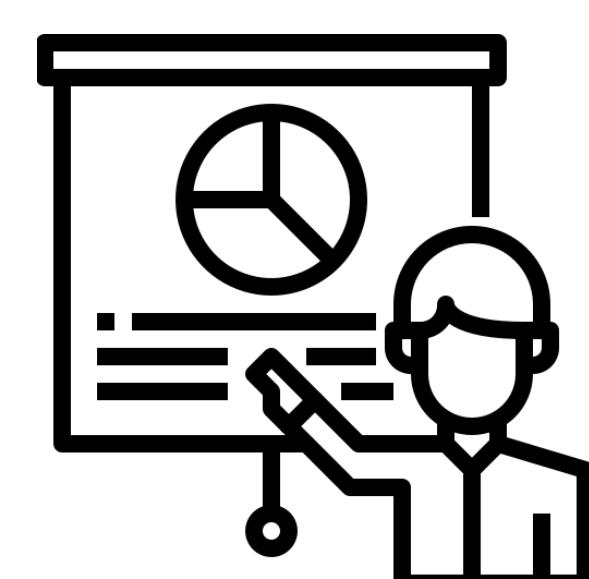
### Exploit & Test

Simulate attacks on test systems using vulnerability detection and basic exploitation methods



### Document & Report

Prepare a structured vulnerability report with screenshots, summaries, and remediation suggestions



### Reflect & Present

Review results, reflect on learning, and present findings for peer or mentor feedback

## Step confidently into the world of cybersecurity



# Ready to Protect the Digital World?

By the end of this program, you won't just understand cybersecurity—you'll be able to practice it with purpose. From running scans to simulating exploits and preparing professional reports, you'll gain real-world skills that matter.

Whether you're exploring a career in ethical hacking, bug bounty hunting, or cybersecurity analysis, this course equips you with the tools, confidence, and credibility to take the next step and stand out in the global tech industry.

## About Innova

# Empowering Careers Through Industry- Focused Learning

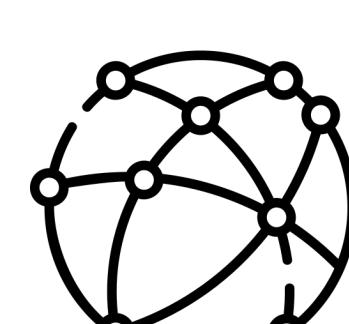
Innova Training Institute is a KHDA-approved vocational institute based in Dubai Knowledge Park. Backed by global affiliations, it delivers career-focused programs that blend academic rigor with practical skill-building.

With guaranteed internships, small-batch mentorship, and real-world projects, Innova helps learners transition confidently into the workforce. Each course is designed to ensure relevance, industry integration, and job-readiness from day one.



### Dual Qualification

Academic degrees with industry-recognized certification



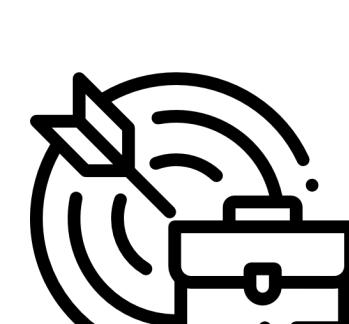
### Global Recognition

Endorsed by Pearson, IOA, Qualifi, and Accredited by KHDA



### Mentorship Model

1:3 expert ratio with personalized guidance



### Career Integration

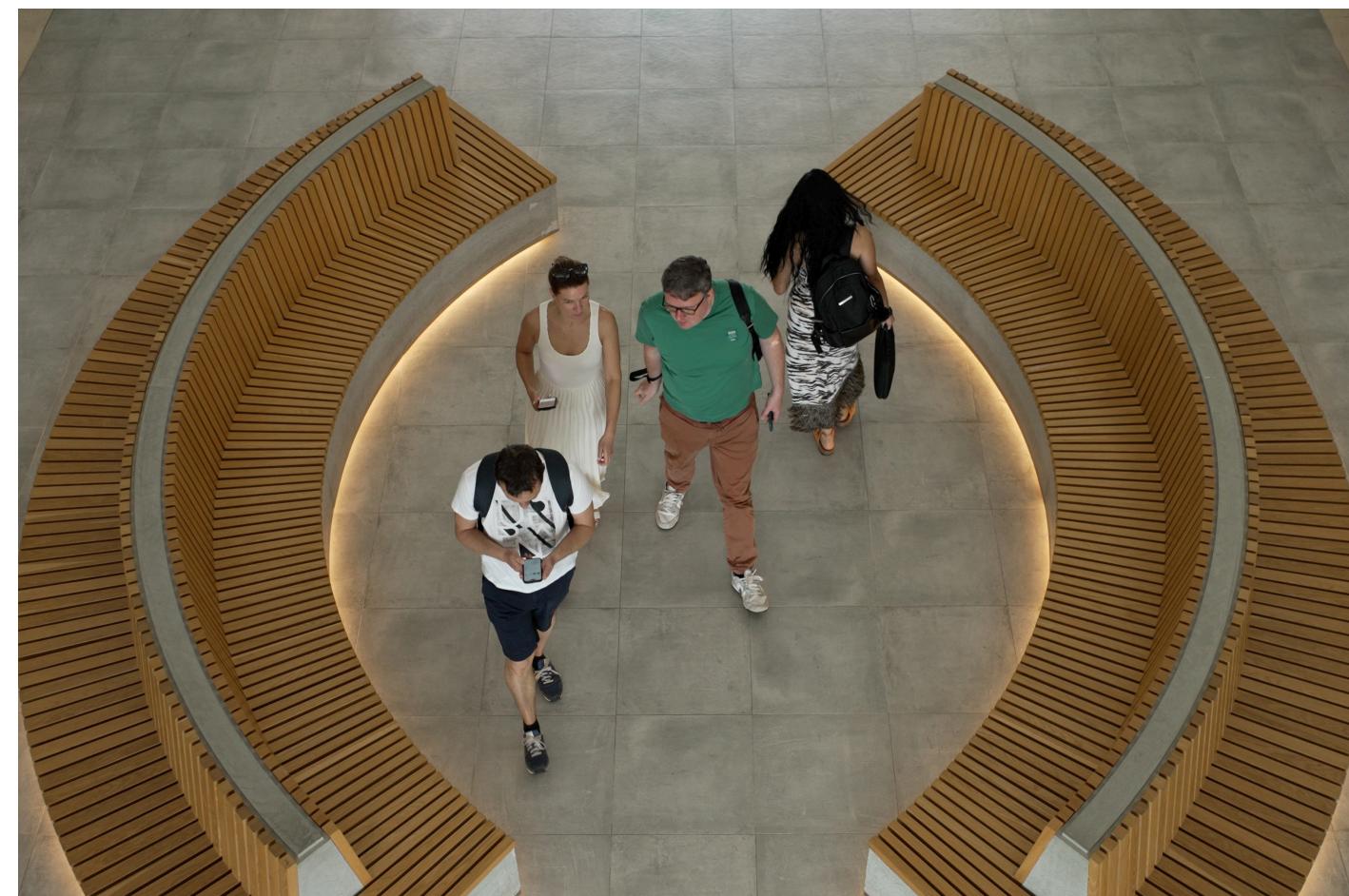
Projects, internships, and startup simulation embedded

**Learn in a world-class academic environment with modern infrastructure, collaborative spaces, and easy access to essential student amenities.**



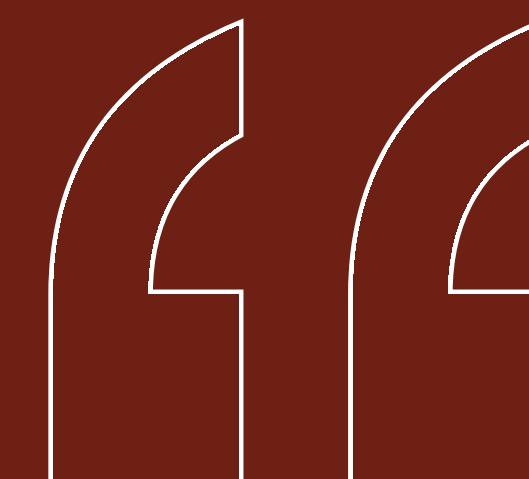
### **Dubai Knowledge Park Learning Hub**

Study in Dubai's premier education district, home to cutting-edge classrooms, collaborative lounges, and a dynamic student community. Located in a hub of academic and corporate activity, the campus encourages innovation, peer interaction, and career-focused learning in an inspiring, multicultural environment.



### **Accessible, Connected, Student-Friendly Facilities**

Enjoy seamless access to public transport, cafés, business centers, and well-equipped learning zones. From quiet study areas to interactive lounges, every facility is designed to support comfort, focus, and collaboration, creating the ideal atmosphere for productive and enriching learning experiences.



**At Innova, we believe in nurturing talent through immersive learning experiences, real-world projects, and a future-ready academic environment.**



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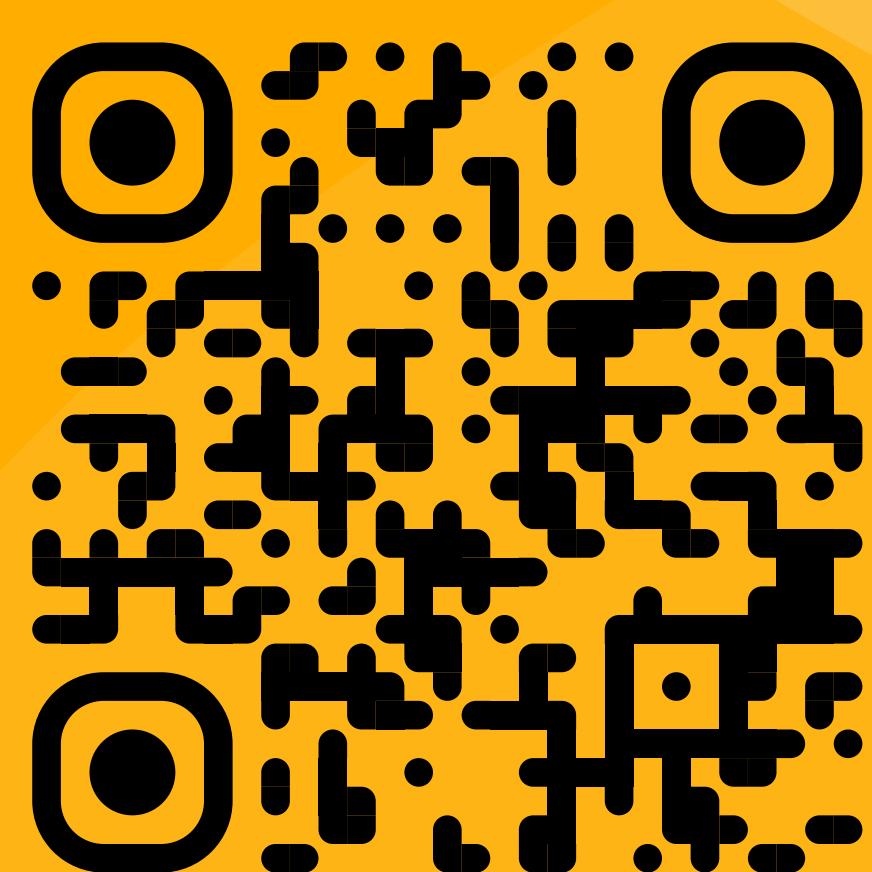
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