



CERTIFICATION IN CYBER SECURITY

Master's in Cyber Security & and take your career to the next level!



WHO CAN JOIN THE COURSE?

- **IT Professionals:** Those already working in IT who want to specialize in cybersecurity.
- **Software Developers:** Developers looking to understand security aspects of software development.
- **Students:** Those studying computer science or related fields who want to gain practical cybersecurity skills.

GIMPLES OF OUR SUCCESSFUL TRANSITIONS



Reviews 4.6 ★★★★★



Reviews

4.8 ★★★★★



Reviews


4.8 ★★★★★



Reviews

4.9 ★★★★★





Duration- 8 Weeks

PROGRAM CURRICULUM-I

Networking Concepts Overview

Basics of Communication

Systems

- Transmission Media
- ISO/OSI and TCP/IP Protocol

Stacks

- Local Area Networks
- Wide Area Networks

Internetworking

- Packet Formats
- Wireless Networks
- The Internet

Information Security Concepts

Information Security Overview

Information Security Services

Types of Attacks

- Goals for Security
- E-commerce Security
- Computer Forensics

Steganography

- Security Engineering

- **Security Threats and vulnerabilities**

- Overview of Security threats
- Hacking Techniques

- Password Cracking

- Insecure Network connections
- Malicious Code

- Programming Bugs

- Cybercrime and Cyber terrorism
- Information Warfare and Surveillance

- **Cryptography**

- Introduction to Cryptography

Symmetric key Cryptography

Asymmetric key


Cryptography Message

Authentication and Hash functions

- Digital Signatures

- Public Key infrastructure

- Diffie-Hellman key exchange protocol



Duration- 8 Weeks

PROGRAM CURRICULUM-II

- Applications of Cryptography **Security Audit**

Security Management

- Module1: Security Management Practices
- Overview of Security Management
- Information Classification Process
- Security Policy
- Risk Management
- Security Procedures and Guidelines
- Business Continuity and Disaster Recovery
- Module2: Security Laws and Standards
- Security Assurance
- Security Laws
- International Standards
-

- OCTAVE approach
- SSE-CMM


Network Security

- **Module 1:** Access Control and Intrusion Detection
- Overview of Identification and Authorization
- I & A Techniques
- Overview of IDS
- Intrusion Detection Systems and Intrusion Prevention Systems

Module 2: Server Management and Firewalls

- User Management
- DNS Routing and Load Balancing Overview of Firewalls
- Types of Firewalls
- DMZ and firewall features

- **Module 3: Security for VPN**



Duration- 8 Weeks

PROGRAM CURRICULUM-III

and Next Generation Networks

- VPN Security
- Security in Multimedia Networks Fax Security
- Link Encryption Devices

- Anti-virus software
- Design of secure OS and OS hardening
- Configuring the OS for security Trusted OS

System and Application Security

Module 1: Security Architectures and Models

- Designing Secure Operating Systems Controls to enforce security services
- Information flow model and Biba model

Module 2: System Security

Desktop Security

- email security: PGP and SMIME Web Security: web authentication, SSL and SET

Module 3: OS Security OS

Security Vulnerabilities, updates and patches

- OS integrity checks

ZENUS CAREER SERVICES



Career-oriented Session

Attend 10+ career-oriented session by industry mentors and prepare your career trajectory



Profile Building

Cyber Security resume and LinkedIn profile to make an impression on top employers



Dedicated Job Portal Access

Get exclusive access to 20+* job posting per month on Zenus's job portal



Mock Interview Preparation

prepare with mock interviews including most asked question by top employers



1:1 Mentoring Session

Get 1:1 guidance at every step in your career transition to Cyber Security



Placement Assistance

Placement opportunities are provided once the learner is moved to the placement pool upon clearing Placement Readiness Test(PRT)**

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STUDENT TESTIMONIALS

Shivant Tyagi

★★★★★



Our experience with ZENUS INFOTECH has been very good. its the best company in india for industrial training and placements.

Abdul Raoof

★★★★★



Good teches.And Good teacher .Zenus teacher is helping person that solve the asking question .Zenus is a wonderful platform

Piyush Kumar

★★★★★



I feel my self with a great weight of knowledge after doing training from Zenus Infotech

Prabhat Saini

★★★★★



Extremely nice atmosphere to learn softwares and knowledgeable and helpful faculty with great experience.

Sumit Pant

★★★★★



Highly skilled staffs well as good place to work ..the faculties are very good teachers

Ishant Chauhan

★★★★★



Highly experienced and project oriented training received with full support from the trainer. Thanks Zenus Infotech



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