MSME
MICRO, SMALL & MEDIUM ENTERPRISES

ISO 21001:2018
CERTIFIED COMPANY

SCUKL

Skill India
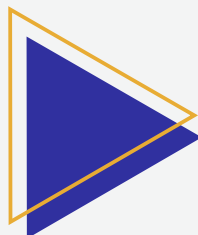कौशल भारत - कुशल भारत

CEH CERTIFICATION - CERTIFIED ETHICAL HACKING COURSE

Lesson 01

Information Security Overview

- Demo of Aspen and iLabs
- Internet is Integral Part of Business and Personal Life - What Happens Online in 60 Seconds
- 3 Essential Terminology
- 4 Elements of Information Security
- The Security, Functionality, and Usability Triangle

Lesson 02

Information Security Threats and Attack Vectors

- Motives, Goals, and Objectives of Information Security Attacks
- Top Information Security Attack Vectors
- Information Security Threat Categories
- Types of Attacks on a System
- Information Warfare

Lesson 03

Hacking Concepts

- 1 What is Hacking
- 2 Who is a Hacker?
- 3 Hacker Classes
- 4 Hacking Phases

Lesson 04

Ethical Hacking Concepts

- What is Ethical Hacking?
- Why Ethical Hacking is Necessary
- Scope and Limitations of Ethical Hacking
- Skills of an Ethical Hacker

Lesson 04

Information Security Controls

- Information Assurance (IA)
- Information Security Management Program
- Enterprise Information Security Architecture (EISA)
- Network Security Zoning
- Defense in Depth
- Information Security Policies
- Physical Security
- What is Risk?
- Threat Modeling
- Incident Management

- Security Incident and Event Management (SIEM)
- User Behavior Analytics (UBA)
- Network Security Controls
- Identity and Access Management (IAM)
- Data Leakage
- Data Backup
- Data Recovery
- Role of AI/ML in Cyber Security

Lesson 06

Penetration Testing Concepts

- Penetration Testing
- Why Penetration Testing
- Comparing Security Audit, Vulnerability Assessment, and Penetration Testing
- Blue Teaming/Red Teaming
- Types of Penetration Testing
- Phases of Penetration Testing
- Security Testing Methodology

Lesson 07

Information Security Laws and Standards

- Payment Card Industry Data Security Standard (PCI-DSS)
- ISO/IEC 27001:2013
- Health Insurance Portability and Accountability Act (HIPAA)
- Sarbanes Oxley Act (SOX)
- The Digital Millennium Copyright Act (DMCA)
- Federal Information Security Management Act (FISMA)
- Cyber Law in Different Countries

Industry Project

Project 1

Crime Analysis

Use Ethical Hacking to craft an interactive dashboard to analyze crime data, which will facilitate law enforcement's comprehension of crime patterns and trends.

Project 2

Regional Sales Dashboard For Sales Performance Analysis

Leverage Ethical Hacking to analyze and compare the sales data of an MNC from two regions. The goal is to support senior management in making informed decisions, enhancing strategic planning, and implementing sales improvement strategies, by visualizing the data on a dashboard and highlighting regional trends and areas for improvement.

About
Edu Eyrie India

Mission:
Edu Eyrie India is driven by a mission to provide quality education and skill development to empower individuals for success in their professional journeys.

Expert Faculty:
Our institution boasts a team of expert instructors who bring industry experience and knowledge to the forefront of our educational programs.

Holistic Learning:
We believe in providing a holistic learning experience, combining technical expertise with soft skill development for well-rounded professionals.

Cutting-edge Curriculum:
Our courses feature cutting-edge curriculum, keeping pace with industry trends and technological advancements.

Innovative Teaching Methods:
Edu Eyrie India employs innovative teaching methods, incorporating practical exercises, projects, and real-world applications to enhance learning outcomes.

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