# CERTIFICATE IN
# Digital Ethical Hacking (CDEH)

## Course aligned with AICTE-NEAT under Ministry of Education

Skills Factory Learning is the Knowledge Partner of National Educational Alliance for Technology (NEAT), Ministry of Education for imparting teaching, training and assessing of the Course Certificate in Digital Ethical Hacking.

## INTRODUCTION

Ethical Hacking is a highly valued and respected profession in the domain of Cyber Security. A good Ethical Hacker or a Security Professional who conducts Ethical Hacking understands how a computer system works, knows what tools to employ in order to identify security weakness and what techniques are employed to gather unauthorised data that can be used to harm the system.
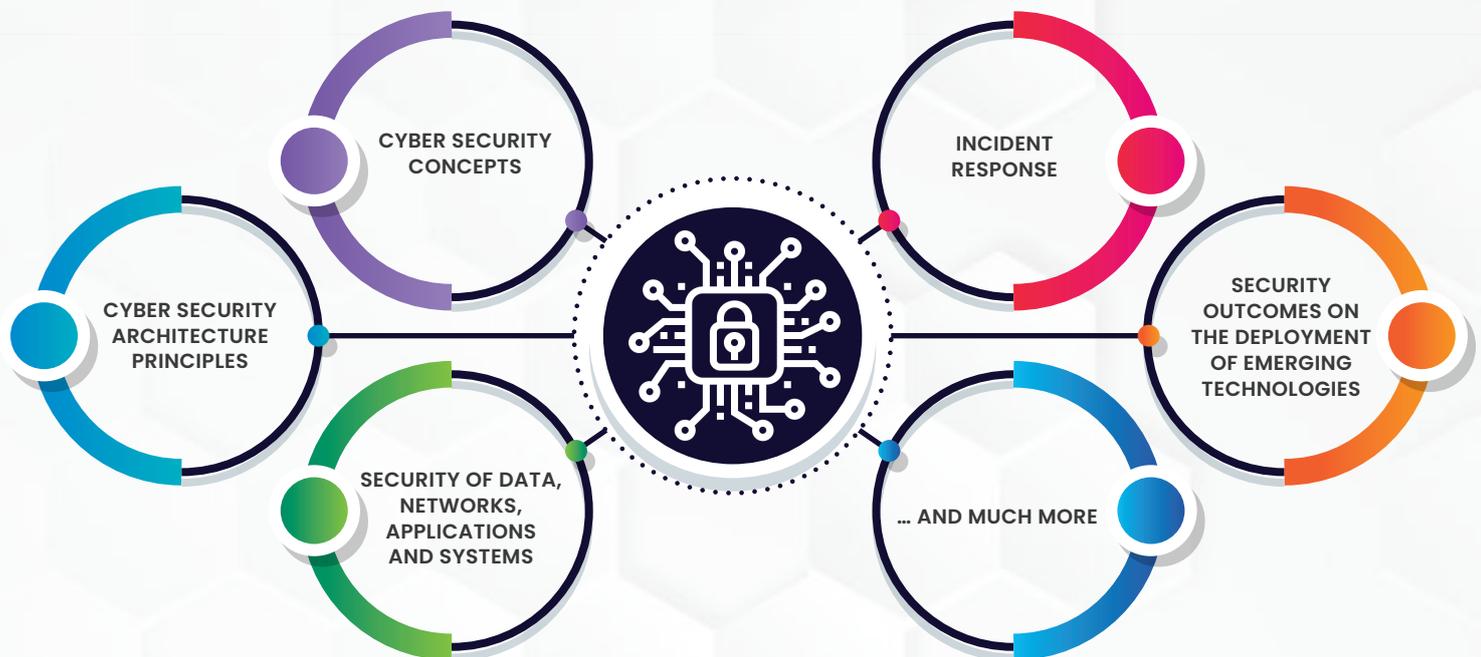
# COURSE OBJECTIVE

This course is about gaining knowledge of how an Ethical Hacker can uncover various aspects of potential attacks on the Computer System. The Ethical Hacker can thus contribute towards safety and security of systems and be a productive asset to all those who employ Information Technology as the mainstay of their functioning.

## Course Highlights

| | | |
|---|---|---|
| **1** TYPES OF ATTACKS | **2** DETECTION OF VULNERABILITIES | **3** HANDS ON HACKING, REAL TO LIVE SIMULATED LABS |
| **4** RECONNAISSANCE | **5** GAINING ACCESS | **6** ENUMERATION |
| **7** MAINTAINING ACCESS | **8** COVERING YOUR TRACKS - TOOLS AND TECHNIQUES | **9** SECURING THE DIGITAL FRONTIER |
| | **10** PREPARING TO CONFRONT THE ONSLAUGHT OF NEW CYBER-ATTACKS | |

## KEY AREAS OF C-DEH

- CYBER SECURITY CONCEPTS
- CYBER SECURITY ARCHITECTURE PRINCIPLES
- SECURITY OF DATA, NETWORKS, APPLICATIONS AND SYSTEMS
- INCIDENT RESPONSE
- SECURITY OUTCOMES ON THE DEPLOYMENT OF EMERGING TECHNOLOGIES
- ... AND MUCH MORE

# COURSE IDEALLY SUITED FOR

- ✅ Students wanting to join IT sector
- ✅ Professionals working on critical projects in IT/Non-IT sectors
- ✅ Individuals interested in pursuing careers in digital security
- ✅ Security professionals keen on upgrading their skills

# TOPICS

1. IT-ITES/BPM Industry – An Introduction
2. IT Services – An Introduction
3. Introduction to Hacking
4. Information Gathering/ Vulnerability Scanning
5. Malwares
6. System Hacking
7. Sniffing
8. Website and Web Server Hacking
9. SQL Injection and Cross-site Scripting
10. Buffer Overflow
11. Multi-Platform (cross-platform)

12. System Hacking and Wireless Hacking
13. Mobile Pen-testing
14. Network DoS and DDoS
15. Cryptography
16. Penetration Testing IDS/IPS and Firewall
17. Report-preparation based on test results
18. Enhancements to existing security solutions
19. Managing work to meet requirements
20. Working effectively with colleagues
21. Maintaining a healthy, safe and secure working environment

# TOOLS YOU WILL LEARN

- ✅ OSINT
- ✅ Nmap
- ✅ Nessus
- ✅ AIPS

- ✅ Maltego
- ✅ MAsscan
- ✅ OpenVAS
- ✅ NExpose

- ✅ MSF
- ✅ VirusTotal
- ✅ Hybrid Analysis
- ✅ Metasploit

- ✅ Ettercap
- ✅ BurpSuite
- ✅ Accunetix
- ✅ OWASP-ZAP

- ✅ W3AF
- ✅ MobSF
- ✅ LOIC
- ✅ VeraCrypt

## A FEW CAREERS OPEN TO YOU

- Ethical Hacker
- Information Security Expert
- Cyber-Security Expert
- Security Evangelist
- Information Security Analyst
- ...and many others

# COURSE ALIGNMENT

The Course aligned with AICTE-NEAT under Ministry of Education. Skills Factory Learning is the Knowledge Partner of National Educational Alliance for Technology (NEAT), Ministry of Education for imparting teaching, training and assessing of the Course Certificate in Digital Ethical Hacking.

## 01
Instructor led Online Training for uninterrupted learning environment

## 02
Offline learning through Interactive Training videos for hassle-free, tself-paced learning

## 03
Excellent course content created by academic experts and industry exposed professionals

## FEATURES OF THIS COURSE

## Fees : 15,000+ GST

**SKILLS FACTORY**
SHARPER SKILLS FOR BETTER CAREERS

103, Venkateshwara House, Opp. Kalinga Restaurant, Near Sharada Centre, Off Karve Road, Erandawane, Pune 411004

+91-9529145876 / 9021097004 / 8007024711, (020) 25451488, 25464656

hello@skills-factory.com    https://skills-factory.com/

/official.skills.factory

skills.factory.digital

official_skills