

Certificate Programme in **CYBERSECURITY**



CERTIFIED
CYBERSECURITY
PROFESSIONAL

CYBERSECURITY-THE FUTURE

Tech Mahindra in collaboration with Idealabs has designed a Certificate program in Cyber Security for current and aspiring professionals who are keen to secure a career in Cyber Security space. A strong foundation on the core concepts of Cyber Security and an elevated expertise in top domains of cyber security with intense practical approach will allow participants to master in-demand skills and build world class expertise.

630%

Increase in Cyberattacks
in Covid times

\$10.5 TN

Cost of Cybercrime by
2025

3.5 MN

Cybersecurity jobs by
2025

PROGRAMME HIGHLIGHTS



Trainer lead



Hackathons



Placement oriented



Experiential learning



Co-certification by Tech
Mahindra



Hands-on Lab sessions
on Industry standard



Industry practitioners as
mentors



Case Study Based
Approach



Personalized Assessment
Report

TOOLS YOU WILL LEARN



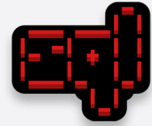
Burpsuite



Wayback Machine



Wireshark



SQLMap



ReconNG



Postman



Nmap



bwApp

SYLLABUS / CURRICULUM

MODULE 1

Cyber Security Introduction

- ✓ Introduction to Cybersecurity
- ✓ Objectives, Roles and Responsibilities
- ✓ Confidentiality Integrity and Availability
- ✓ Authentication, Non-Repudiation and Privacy

MODULE 3

Cyber Crimes

- ✓ Case studies of current cyber crimes
- ✓ Impact and Business disruption
- ✓ Emerging patterns
- ✓ Mitigation Strategies

MODULE 2

Malwares and Attack types

- ✓ Common Attack types and Vectors
- ✓ Infection methods
- ✓ Types of Malware
- ✓ Backdoors

MODULE 4

Governance Risk & Compliance

- ✓ Policies, Procedures, Standards, Regulations and Laws
- ✓ Cybersecurity Controls
- ✓ Technical controls, Administrative controls and Physical controls

SYLLABUS / CURRICULUM

MODULE 5

Network Security

- ✓ OSI and TCP/IP model
- ✓ Internet Protocol (IPv4), IPv6, WIFI
- ✓ Network Defence
- ✓ Monitoring Detection and Logging

MODULE 8

Vulnerability Management

- ✓ Vulnerability Assessments
- ✓ Penetration Testing
- ✓ Operating System Security
- ✓ Application Security
- ✓ Data Security & Mobile Security

MODULE 6

Cryptography

- ✓ Introduction
- ✓ Fundamentals of Encryption
- ✓ Encryption Techniques
- ✓ Encryption Applications

MODULE 9

Incidence Response

- ✓ Event vs Incident
- ✓ Security Incident Response
- ✓ Investigations, Legal Holds & Preservation
- ✓ Forensics
- ✓ Disaster Recovery & Business Continuity

MODULE 7

Risk Assessment

- ✓ Risk Management
- ✓ Risk Identification
- ✓ Risk Assessment
- ✓ Risk Treatment

MODULE 10

Evolving Technologies

- ✓ Current Threat Landscape
- ✓ Advanced Persistent Threats
- ✓ Cloud and Digital Collaboration

SPECIALIZATION 1

Web / Mobile Application Security

- ✓ Web application assessment methodologies
- ✓ HTTP protocol, SSL weaknesses
- ✓ Burpsuite Proxy
- ✓ Content Discovery, Authentication & Session Testing
- ✓ Penetration Testing

SPECIALIZATION 2

Incidence Management

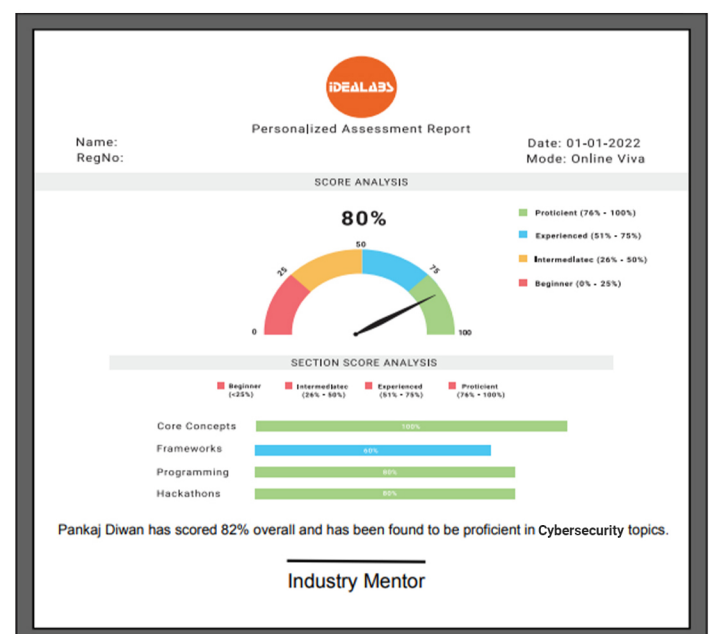
- ✓ Incident Management – Introduction
- ✓ Incident Identification
- ✓ Detection and Primary analysis
- ✓ Digital analysis
- ✓ Creation of detection rules

CERTIFICATE

On successful completion of the programme, you will earn a coveted certificate as Cybersecurity Certified Expert by Tech Mahindra and a Personalised Assessment Report by an Industry Mentor.



Personalised Assessment Report



INDUSTRY MENTORS



Naveen Kumar Arigala

Cyber Forensics Expert



Brahmaji Mogalapu

Cyber Security Expert



Dinakar Chinta

Cyber Security Incident
Manager



Chandra Sekara Reddy

Custom Penetration Testing Expert



Hari Chandana Yelloji

Offensive Hacking Security Expert



Major Vineet Kumar

Founder & Global President,
Cyber Peace Foundation



Col. (Dr.) Inderjeet Singh

Chief Cybersecurity Officer,
Vara Technologies



Pankaj Diwan

Founder, CEO, Idealabs
FutureTech Ventures



Rajesh Dhuddu

Head- Cybersecurity Practice,
TechMahindra

**BEST-IN-CLASS CYBER-SECURITY
INDUSTRY EXPERTS**

BENEFITS

- ✓ Hackathons
- ✓ Placement support
- ✓ Learn from Industry Leaders
- ✓ Personalized Assessment Report by Industry Mentor
- ✓ Certification from Tech Mahindra
- ✓ Instructor lead with backup videos
- ✓ 24*7 Cloud based lab access with support
- ✓ Peer network across top-notch companies

LEADERS SPEAK

JAYESH RANJAN

Principal Secretary, ITE&C, Govt. of Telangana



I Congratulate Tech Mahindra & Idealabs for launching this Programme. This is the need of the hour I'm sure participants will benefit a lot from this programme.

RAJESH DHUDDU

Blockchain & CyberSecurity Leader, Tech Mahindra



We are happy to partner with Idealabs for this initiative. It will provide access to Cybersecurity learning and career opportunities for students and professionals across India.

JA CHOWDARY

(Former special chief secretary & IT advisor, Govt. of AP)



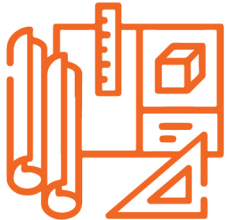
Cybersecurity is one of the key skills in Digital Transformation. It can create a differential on your resume and provide access to huge opportunities.

Col. (Dr.) INDERJEET SINGH

Chief Cybersecurity Officer, Vara Technologies



Ideally, this certificate by Tech Mahindra and Idealabs should be created as a Credit course in the syllabus. This can be of great advantage to academia and industry.



Client Project - Virtual Internship

Idealabs has tied-up with several corporates and startups in different domains like Banking, Airports, Critical infrastructure, Government, etc. to avail case studies of Cybersecurity. The participants will get an opportunity to interact with the teams from these companies and work on their case studies. The Participants will also get a client certificate on successful completion of the project.

Personalized Assessment Report

Every participant will get a personalized Assessment report by a senior Industry mentor from a reputed company. The personalized assessment report will be hosted on our website for future reference. This neutral assessment will serve as a testimony of your accomplishments.



Placement Support

This program has been co-designed with Tech Mahindra for their requirements in Cybersecurity domain. Additionally idealabs is currently working with several leading companies for their recruitment needs. The participants who complete the programme successfully will get a plethora of opportunities and job interviews. Further the career advisory cell at Idealabs will work with you on the following aspects to improve your placement prospects:
Resume reviews | Mock Interviews | Job referrals

Community Connect

Idealabs and Tech Mahindra have a very strong presence in the Cyber security Ecosystem including professionals, industry leaders, corporates, startups and government initiatives. Being connected with the Cyber security community is one of the most recommended ways to have continuous learning and opportunities.



Certificate Programme in **CYBERSECURITY**

YOUR GREAT CAREER MOVE!
JUST A CLICK AWAY !!!

 +91 98484 48538

 cybersecurity@idealabsftv.in

 www.idealabsftv.in/cyber-security

    /idealabsftv

 +91 9468844466 / 8396969214

 info@educationlanes.com

 <https://educationlanes.com>

    /educationlanes