



# CERTIFICATE IN CYBER SECURITY

Accredited by NASSCOM, approved by the Government of India

The course Certificate in Cyber Security has been introduced for the benefit of students of all disciplines. The course is skill-development based and is a measure of this Institution's avowed aim of creating for the first time in India of a pool of Cyber Security Experts for which there is a huge demand in India because of a huge skill gap. The attempt of ours in this direction is in keeping with our motto to impart relevant quality higher education to students and groom them to be conscious professionals, technologists, subject matter experts, researchers and citizens, using their knowledge for skilling, re-skilling, up-skilling, career advancement and professional progress. For this, Ministry of Electronics and Information Technology (MeitY) through the FutureSkills Prime Programme (implemented by Nasscom) has designated Skills Factory Learning Pvt. Ltd. to design, develop and teach the course Certificate in Cyber Security.

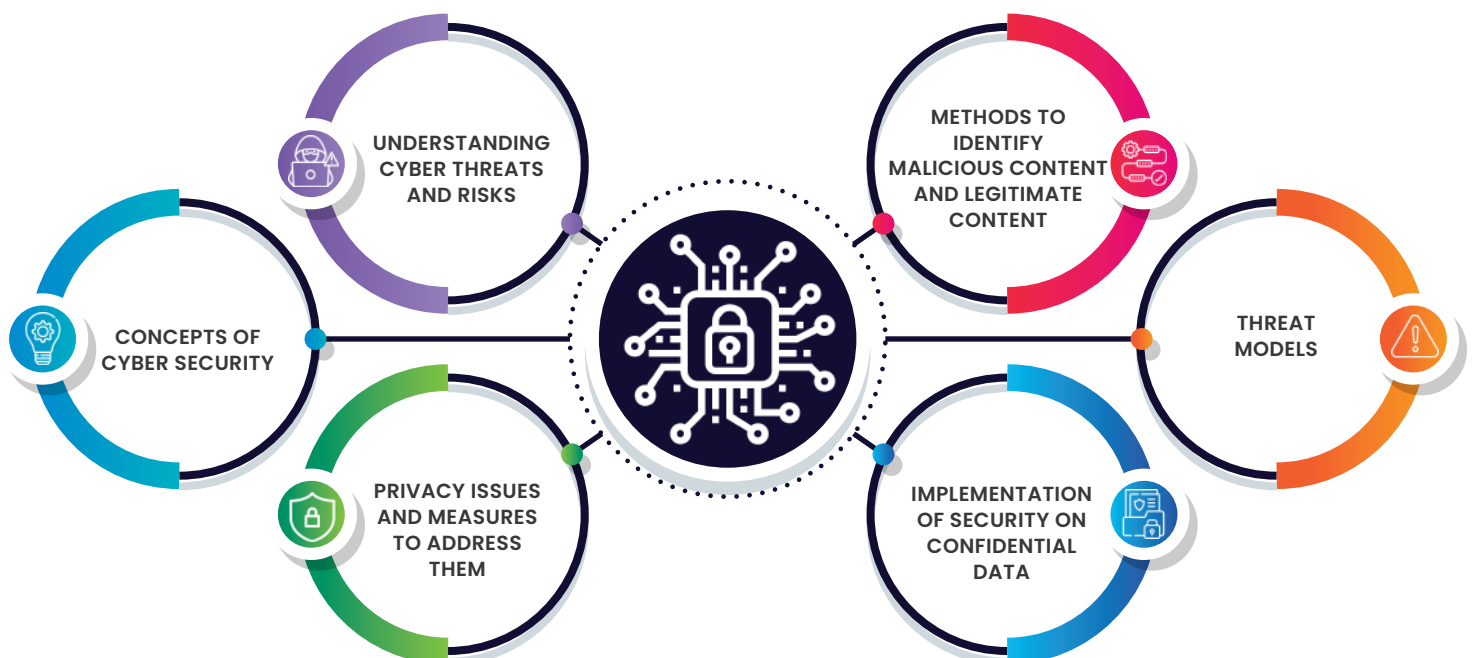
# COURSE OBJECTIVE

In the fast pace at which the world is moving towards digitization, knowledge of cyber security is imperative if one has to protect one's digital assets by securing oneself against cyber-crimes and frauds. The objective of this course is to make each and every individual security conscious and capable of protecting his/her digital assets as well as guide and mentor others in Cyber Security. To this end, the course addresses the immediate and future needs of expert knowledge of cyber security in the working, professional and career enhancing environment. The teaching is offered by multiple modes - online, offline, distance learning, blended learning, remote classroom etc.

## TOPIC

1	FUNDAMENTALS OF CYBER SECURITY	2	FUNDAMENTALS OF NETWORKING	3	BASICS OF SECURITY TESTING
4	FUNDAMENTALS OF ACCESS MANAGEMENT	5	FUNDAMENTALS OF INCIDENT MANAGEMENT AND RESPONSE	6	FUNDAMENTALS OF SECURITY OPERATIONS

## KEY AREAS OF CERTIFICATE IN CYBER SECURITY



## COURSE CHARACTERISTICS

- ✓ Designed for any stream (tech and non-tech)
- ✓ Suitable for students, job seekers and working professionals
- ✓ Approved by GOI
- ✓ Content curated by domain experts
- ✓ 40+ Hrs. of learning (30% theory and 70% practical )
- ✓ Excellent course books and study material
- ✓ Multiple learning modes – blended, online recorded lectures, offline, trainer-led

## ELIGIBILITY

(Eligibility: Anyone with 10 + 2 from any stream)



## GOVERNMENT OF INDIA (GOI) INCENTIVE SCHEME\*

\* The course is covered under Government of India Incentive scheme and learners can apply for it after clearing mandatory FutureSkills assessment.

## GOI INCENTIVE SCHEME – ELIGIBILITY

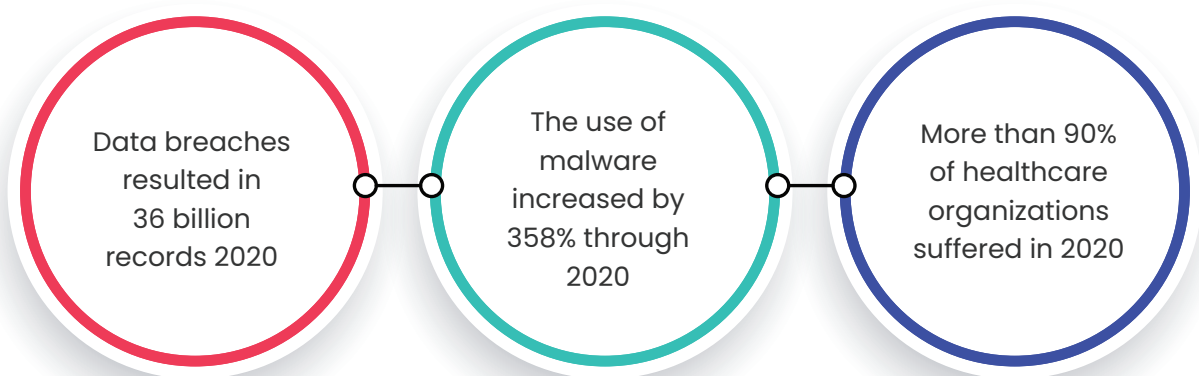
- ✓ All disciplines: Non-technical and technical background students.
- ✓ IT employees in IT & Non-IT firms
- ✓ Non-IT employees looking to explore emerging technologies
- ✓ Central and State government employees
- ✓ Officials of PSUs and autonomous bodies
- ✓ Employees without dated job roles or those who are currently unemployed.
- ✓ Fresh recruits, interns and apprentices

## TOOLS YOU WILL LEARN IN THIS COURSE:

- ✓ Metasploit
- ✓ Nmap
- ✓ Nessus
- ✓ Netcat
- ✓ Pwncat
- ✓ Wpscan
- ✓ OWASP-ZAP
- ✓ Burp Suite
- ✓ GitTools
- ✓ Kali Linux
- ✓ Kerbrute
- ✓ CrackMapExec
- ✓ Impacket
- ✓ SIEM
- ✓ OPenSense

## WHY ARE THERE HUGE CAREER OPPORTUNITIES IN THE FIELD OF CYBER SECURITY?

### The Size of Cyber Crime Activity



### The Size of Cyber Crime Activity



### Cyber Risks

- ✓ According to Cisco data DDoS Attacks will grow to 15.4 million by 2023
- ✓ More than four-fifths of data breaches in 2020 (86%) were financially motivated
- ✓ 70% of breaches were caused by outsiders 45% involved hacking
- ✓ 86% were financially motivated,
- ✓ 17% involved some form of malware
- ✓ 22% featured phishing or social engineering.

**Fees : 4999+ GST**


## Skills Factory Learning Pvt. Ltd.

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