# GET SKILLED BE EMPLOYABLE

## FOUNDATIONAL COURSE IN CYBER SECURITY SFC 101

**INDUSTRY & GOVT. APPROVED CURRICULUM**

## VIRTUAL INSTRUCTOR LED TRAINING (VILT)

### Cyber Security is the National Security

Every single data is a valuable commodity in this digital era. It comes as no surprise, therefore, that instances of cyber-attacks and security breaches are on the rise.

These attacks can result in a direct loss of resources, commercial interests, and intellectual property. Organizations are striving to prevent leakage of sensitive information and ensure data integrity. As a consequence, they are adopting stringent cybersecurity measures.

Cybersecurity entails safeguarding enterprise IT landscape from malware, virtual attacks, and unauthorized usage. However, improvement in virtual security methods is accompanied by an ever-escalating threat landscape.

### Cyber Security Foundation Program

The Cyber Security foundation program is well-curated to impart the basic knowledge about Cyber Security. It will skill those who pursue the program and it will explain about the knowledge expansion after the fundamentals are understood by the learner.

The course is well defined in 6 modules, 30 hours of Theory with interesting context and 15 hours of Practical session of clarity, Topics and Sub-topics well defined and interactive for any number of times absorption, Course available in English + 5 languages and more to be added soon. the candidate will gain hands-on absolute knowledge about the fundamentals to begin a career path in Cyber Security.

# COURSE OVERVIEW

### Fundamentals of Cyber Security
Understanding the strong fundamental of Cyber Security before getting into the core topics

### Fundamentals of Networking
Learning the basics of network security across enterprises and the tools to navigate the security issues

### Basics of Security Testing
Diagnose and Test the security threats and a wide range of security testing techniques

### Fundamentals of Access Management
Deep understanding of managing access to different systems and enterprises assets connected to a network as Identity and Access Management for all prevention
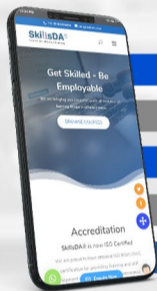
### Fundamentals of Incident Management and Response
Fundamentals of security incident management and the knowledge to report & mitigate security incidents

### Fundamentals of Security Operations
Basic understanding of common cybersecurity operations, widely overviewing different security tools and services as per the market standard

# LEARNING FEATURES

- Self Paced, Highly interactive
- InfoGraphic representation
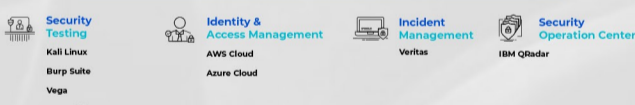- A 360-degree non-compromising learning approach
- Unique LMS with a user-friendly dashboard
- Learn - Pause - Learn and retrieval features

# WHAT WILL YOU LEARN?

- Fundamentals of Cyber Security and different disciplines
- Types of Cyber Security threats
- Different types of Cyber Security Attacks and their applications
- Types of malware which are used to trigger Cyber Security incidents
- Basic concepts of Networking and different types of devices that constitute a network (such as Modem, Hub, NIC, Switch, Router etc.)
- Common terminologies related to networking (such as MAC Address, IP Address, Domain Name System etc.)
- The fundamentals of network models such as OSI (Open System Interconnection) and TCP/IP (Transmission Control Protocol/Internet Protocol)
- Different types of networks (such as Local Area Network (LAN), Wide Area Network (WAN), Virtual Private Network (VPN) etc.)
- Different Network Models such as OSI (Open System Interconnection) and TCP/IP (Transmission Control Protocol/Internet Protocol)

- Fundamentals of network firewall
- Fundamentals of Identity and Access Management (IAM)
- What security testing is and the different types of security tests
- Common user Identification and Access Management policies
- Different types of security controls, user authorization and encryptions and their applications
- Fundamentals of incident management, incident response, disaster mitigation and containment
- Continuity Plan, Back-up and Recovery Plan and Disaster Recovery Plan
- Basic concepts of continuous security monitoring
- Basics of change management and configuration management
- Fundamentals and applications of security forensics

# TOOLS USED IN THIS COURSE

### Security Testing
Kali Linux
Burp Suite
Vega
Metasploit

### Identity & Access Management
AWS Cloud
Azure Cloud

### Incident Management
Veritas

### Security Operation Center
IBM QRadar

## COURSE DURATION
### 45 HRS

| THEORY SESSIONS | HANDS ON PRACTICALS | QUIZ-BASED KNOWLEDGE CHECK |
|---|---|---|
| 30 HRS | 15 HRS | 150+ |

**COURSE COMPLETION CERTIFICATE WILL BE ISSUED ON SUCCESSFUL COMPLETION OF THE PROGRAM**

The course is scheduled to cover all the 6 modules in VILT mode in 18 Days by including Sundays & Holidays

## Cyber security - Foundational Course

| Module | Topics | | of days | Duration in Hrs | Proposed Time | Delivery Method |
|---|---|---|---|---|---|---|
| Module 1 | Fundamentals of Cyber Security (Theory - 5hrs) | Day 1 | 2 | 4-6 PM | Theory |
| | | Day 2 | 2 | 4-6 PM | Theory |
| | | Day 3 | 1 | 4-5 PM | Theory |
| Module 2 | Fundamentals of Networking (Theory - 5hrs, Practical - 3hrs) | Day 4 | 2.5 | 4-6:30 PM | Theory |
| | | Day 5 | 2.5 | 4-6:30 PM | Theory |
| | | Day 6 | 3 | 3-6 PM | Practical |
| Module 3 | Basics of Security Testing (Theory -5hrs, Practical - 3hrs) | Day 7 | 2.5 | 4-6:30 PM | Theory |
| | | Day 8 | 2.5 | 4-6:30 PM | Theory |
| | | Day 9 | 3 | 3-6 PM | Practical |
| Module 4 | Fundamentals of Access Management (Theory - 5hrs, Practical - 3hrs) | Day 10 | 2.5 | 4-6:30 PM | Theory |
| | | Day 11 | 2.5 | 4-6:30 PM | Theory |
| | | Day 12 | 3 | 3-6 PM | Practical |
| Module 5 | Fundamentals of Incident Management and Response (Theory - 5hrs, Practical - 3hrs) | Day 13 | 2.5 | 4-6:30 PM | Theory |
| | | Day 14 | 2.5 | 4-6:30 PM | Theory |
| | | Day 15 | 3 | 3-6 PM | Practical |
| Module 6 | Fundamentals of Security Operations (Theory - 5hrs , Practical - 3hrs) | Day 16 | 2.5 | 4-6:30 PM | Theory |
| | | Day 17 | 2.5 | 4-6:30 PM | Theory |
| | | Day 18 | 3 | 3-6 PM | Practical |

**Note:**
Effective 18 Days batch schedule starts from the launch date and ends on the 18th Class session. Its excluded (no classes) only on Sundays and National Holidays

## Avail
## "Early Bird Offer"
eLearning course worth of INR 9000/- of SFC 101 is **Absolutely FREE!**
**LIMITED TIME OFFER!!**

## COURSE FEE
~~₹ 20,000/-~~ + GST

### ₹ 12,000/- + GST

Introductory offer for March 2021 batch is 40% discount Limited Seats

## Hurry Up !

Registration is open till 4th March
Classes start on 5th March and ends on 25th March

## ELIGIBILITY CRITERIA
Familiarity with writing code using at least one programming language
Basic understanding of information technologies