

Cybersecurity Fundamentals

Course Duration : 32 Hours

Course code : CSF

1. Course Overview

The Cybersecurity Fundamentals course provides a strong foundation in core cybersecurity concepts, threats, and defensive techniques. This course is designed for beginners and non-technical professionals who want to understand how cyber threats impact organizations and how security controls protect systems, networks, and data. Learners gain practical knowledge of cybersecurity principles, risk management, and basic security practices used across modern IT environments.

2. What you'll learn?

- Core cybersecurity concepts and terminology
- Common cyber threats, attacks, and vulnerabilities
- Fundamentals of network and system security
- Security controls, policies, and best practices
- Introduction to risk management and compliance
- Cyber hygiene and security awareness

3. Target Audience

- Beginners starting a career in cybersecurity
- IT and non-IT professionals seeking security awareness
- Students and graduates interested in cybersecurity
- Business professionals involved in technology decision-making

4. Pre-Requisites

- Basic computer knowledge
- No prior cybersecurity or IT experience required

5. Course Content (Modules)

Module 1: Introduction to Cybersecurity

- Cybersecurity concepts and importance
- Types of cyber threats and attacks

Module 2: Network and System Security Basics

- Network security fundamentals
- Operating system security basics

Module 3: Data and Application Security

- Data protection and encryption basics
- Secure application concepts

Module 4: Risk Management and Compliance

- Risk assessment fundamentals
- Security policies and regulatory basics

Module 5: Security Best Practices and Awareness

- Cyber hygiene and user awareness
- Incident reporting and response basics