

Cybersecurity Fundamentals

Learn the basics of cybersecurity and understand potential threats and preventive measures.

Category: Cyber Security · Duration: 5 days

WHO IT IS FOR

- Security engineers and system administrators
- Developers of any background
- Beginners welcome: no prior experience required

The Cybersecurity Fundamentals course is designed to provide participants with an introduction to the field of cybersecurity. Through this course, participants will learn about the fundamental concepts of cybersecurity, including potential threats, preventive measures, and best practices. The course will cover various topics such as network security, data protection, risk management, and incident response.

Prerequisites

Basic computer literacy and familiarity with internet usage.

Syllabus

- Introduction to Cybersecurity
- Understanding Potential Threats
- Securing Network Infrastructure
- Protecting Data and Privacy
- Identifying and Managing Risks
- Incident Response and Recovery
- cryptography and Encryption Basics
- Configuring Firewalls and Intrusion Detection Systems
- Securing Wireless Networks
- Securing Web Applications
- Implementing Access Control and Authentication
- Security Policies and Compliance
- Ethical Hacking and Penetration Testing
- Digital Forensics and Incident Investigation

- Securing Cloud Infrastructures
- Security Governance and Management
- Security Awareness and Training
- Emerging Trends in Cybersecurity
- Case Studies and Real-World Examples