
unext
Cybersecurity

Program Structure

S.No	Subject Name
1	Cyber Security Fundamentals
2	Network Security and Cryptography
3	Cyber Threats & Attacks
4	Threats and Threat Vector Classification
5	Preventing Cyber Security Breaches
6	Respond and Recover from Cyber Attacks
7	Capture the Flag Exercises
8	Capstone Project

Duration : 30 Days - 240 Hours, 8 Hours per Day

Program Details (1/2)

Cybersecurity Fundamentals

- Unit 1 : Introduction to Cybersecurity
- Unit 2 : Cybersecurity At Workspace
- Unit 3 : Asset Classification and Protection

Network Security and Cryptography

- Unit 1 : Network Concepts
- Unit 2 : Network Security
- Unit 3 : Cryptography
- Unit 4 : Web Application Concepts

Cyber Threats and Attacks

- Unit 1 : Types of Attacks and Attackers
- Unit 2 : Analogy of an attack and stages
- Unit 3 : Exploitation Methods
- Unit 4 : Security Intelligence Fundamentals
- Unit 5 : Vulnerabilities
- Unit 6 : Web Based Information Gathering
- Unit 7 : Digital Identity Manipulation
- Unit 8 : OWASP Top 10

Threats & Threat Vector Classification

- Unit 1 : Threat Hunting & Threat Analysis
- Unit 2 : Threat Modeling Methodologies –STRIDE, Octave & DREAD
- Unit 3 : MITRE Attack

Program Details (2/2)

Preventing Cyber Security Breaches

- Unit 1 : Operating Systems Hardware & Hardening
- Unit 2 : Database-Related Issues
- Unit 3 : Identity & Access Management
- Unit 4 : Application Information Security Controls
- Unit 5 : Security Testing And Auditing

Respond & Recover From Cyber Attacks

- Unit 1 : Preparedness for Security Incident Handling
- Unit 2 : Incidence Response
- Unit 3 : Incident Aftermath
- Unit 4 :Security Incident Handling Models
- Unit 5 : Tools Overview of SIEM Deployments
- Unit 6 : SIEM
- Unit 7 : Understanding Splunk, SIEM & SOC process
- Unit 8 : Understanding various logs, dashboards & alert creations
- Unit 9 : Walkthrough SIEM use Cases

Capture the Flag Exercises

- Capture the flag exercises to solve real world problem statement and case studies

Capstone Project

- Capstone Project based on real time datasets and simulated scenarios


Thank You