CYB001 Fundamentals of Cyber Security

Description

This fundamental-level course provides the basic skills and knowledge for individuals who are already working as IT Professionals in their organizations. The course will enable attendees to understand Cyber Security from a technical perspective, including topics such as Security Operations, Access Control, Secure Architecture. In addition, this training program touches upon principles and concepts of Security Management, like Security Policy, Data Classification, and Business Continuity.

Moreover, there will be hands-on exercises where you will be practicing and honing key skills and methodologies which replicate real- life security threat scenarios faced by Security Analysts and Engineers today. By practicing the skills that are provided to you in the Axon class, we will be able to bring you up to speed with the skills to uncover the security threats that organizations are vulnerable to. Attendees will learn and practice core level and advanced skills to be an effective Security Analyst or team member through the Cyber Institute. Upon completion of the course you will have learnt:

- The threats and risks to a business network
- Gain a better understanding of threat Intelligence using OSINT
- How malicious software can compromise a system
- Using SIEM tools to collate and analyze data of interest
- Fundamental and in-depth logging
- Security Analytics techniques

Outline

- MODULE 01 CYBER THREAT LANDSCAPE
- MODULE 02 SECURITY POLICY GUIDELINES
- MODULE 03 DATA CLASSIFICATION
- MODULE 04 ACCESS CONTROL
- MODULE 05 PHYSICAL SECURITY
- MODULE 06 SECURE NETWORK ARCHITECTURE
- MODULE 07 BUSINESS CONTINUITY
- MODULE 08 SECURITY OPERATIONS
- MODULE 09 INCIDENT RESPONSE
- MODULE 10 USER RESPONSIBILITY

Hands-On Labs

- Generating and Using Threat Intelligence for Incident Response
- Incident Response Tools
- A Live Incident Response Process using the Six-Step Process Guidelines: Preparation, Identification/Scoping, Containment/Intelligence Development, Eradication/Remediation, Recovery, Follow-up/Lessons Learned

Duration

- 24 Hours total
- Delivered in 4 or 8 days.

Who Should Attend

- IT Engineers/Managers
- Network Administrator

Requirement

- Laptop

Courseware

- Student Manual
- Virtual Machines (VMs) + Tools