STRADFORD INTERNATIONAL COLLEGE

DK183(P)

DURATION : 100 HOURS

CERTIFIED INDUSTRY 4.0 CYBER SECURITY INFOSEC ANALYST

COURSE VENUE :

a) Public Program
Stradford International College / External Training Locations

b) In-house Program
Inhouse / External Training Available.

WHO SHOULD ATTEND

School leavers, working adults / technicians or anyone who is interested to build a career in this field. No prior technical background required.

CERTIFICATION

Participants who attended 80% & above are eligible for certificate of attendance from Stradford International College.
Optional "Double Certification" from University Science Islamic Malaysia (USIM).

OVERVIEW

Malaysia first introduced "Industry 4.0" in 2015, the phrase has been quickly adopted, becoming the hottest and most spoken buzzword across all sectors. Industry 4.0 is more than just a fashionable buzzword.

The Industry 4.0 trend is transforming the production capabilities of all industries, like manufacturing, financial, agriculture sectors etc. Connectivity is the cornerstone of this transformation and IoT a key enabling technology that is increasingly part of any commercial sectors. In another part, Cyber Security is an important and growing area of work in industry 4.0 for computing professionals.

Any organization that has a computer network, uses the Internet or adopting industry 4.0 has a potential security risk and will need people with specialized skills to help protect their systems and data. Computer systems store, process and communicate a wide variety of data. Much of this data is private and improper access to it can result in significant costs to an organization or the person that owns the data.

Securing computer systems against malicious attack or even against inadvertent damage is vital to any computer system. Cyber Security training course, you will gain a comprehensive technical knowledge of cybersecurity principles and concepts and learn the challenges of designing an industry 4.0 security framework. You will hear about evolving new threats such as social engineering attacks and learn how to mitigate their impact on organizational security. And you will be taught to develop and manage an Information Security Program, perform business impact analysis, and carry out disaster recovery testing.

OBJECTIVE

The objective of the course is for each participant to be able to leave the course with a very solid understanding and appreciation of the Cyber Security in Industry 4.0:

- Cyber Security Concepts
- Risk Management
- Security Architecture
- Implementing security in networks, endpoint systems, applications and data
- Cryptography
- Business Continuity and Disaster Recovery Planning
- Incident Response

SKILL OUTCOME

Upon completion of this course, you will become familiar with cybersecurity methodologies and be able to:

- Develop 4.0 Smart Security Framework
- Leverage an enhanced awareness of cybersecurity principles and concepts
- Analyze appropriate types of controls to counteract various threats
- Combat social engineering attacks such as phishing, malware, spyware, adware, rasomware, and Bluetooth attacks
- Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation
- Comprehend and execute risk management processes, risk treatment methods, and key risk and performance indicators
- Develop and manage an information security program

COURSE DETAILS

Day 1 : Topic 1: Introduction to Industry 4.0
Day 2 : Topic 2: Introduction to Industry 4.0
Day 3 : Introduction to IoT
Day 4 : Component & IoT Element
Day 5 : Introduction to Security Analyst
Day 6 : Risk Management
Day 7 : Security Architecture
Day 8 : Implementing Security
Day 9 : Implementing Security
Day 10 : Business Continuity and Disaster Recovery Planning
Day 11 : Incident Response
Day 12 : Incident Response
Day 13 : Certification Exam

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