G-TEC EDUCATION

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IT SECURITY SPECIALIST

G-TEC EDUCATION

ISO 9001:2015 CERTIFIED

SYLLABUS

IT SECURITY SPECIALIST

DURATION: 60 HOURS

OBJECTIVE

The purpose of the IT SECURITY SPECIALIST training program is to provide individuals with the necessary knowledge and skills to protect their information assets. This class will immerse students into an interactive environment where they will acquire a fundamental understanding of various computer and network security threats such as identity theft, credit card fraud, online banking phishing scams, virus and backdoors, emails hoaxes, sex offenders lurking online, loss of confidential information, hacking attacks and social engineering. More importantly, the skills learned from the class helps students take the necessary steps to mitigate their security exposure.

STUDENTS' PREREQUISITE

- ✓ Basic computer knowledge

COURSE OUTLINE

- ✓ INTRODUCTION TO CYBER SECURITY
- ✓ DARKSIDE OF SOCIAL MEDIA
- ✓ HOW TO SECURE COMPUTER
- ✓ NETWORKING CONCEPTS
- ✓ SECURITY MANAGEMENT
- ✓ RISK MANAGEMENT
- ✓ INTRODUCTION TO CLOUD COMPUTING
- ✓ SYSTEM HACKING
- ✓ CYBERLAWS

MODULE IN DETAIL

INTRODUCTION TO CYBER SECURITY
- ✓ What is Cyber security?
- ✓ Types of Cyber attacks
- ✓ Impact of Cyber attacks

DARKSIDE OF SOCIAL MEDIA
- ✓ Facts about Social media
- ✓ Impact of Social media
- ✓ Safeguard towards safe internet for kids
- ✓ How to secure Social Networking sites & securing E-mail communication

HOW TO SECURE COMPUTER
- ✓ Operating system overview
- ✓ Understanding Ransomware
- ✓ Different types of Malware
- ✓ Practical demonstration of Malware Infections

NETWORKING CONCEPTS
- ✓ Types of Networks
- ✓ Protocols & services used by Computers to communication
- ✓ Network Security Systems

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- ✓ Access Control
- ✓ Authentication & Authorization
- ✓ Linux basics & Commands

SECURITY MANAGEMENT
- ✓ Why security management
- ✓ Security Policies
- ✓ Security Controls

RISK MANAGEMENT
- ✓ Risk management process
- ✓ Risk assessment
- ✓ Regulations & legal framework
- ✓ Incident Management

INTRODUCTION TO CLOUD COMPUTING
- ✓ Cloud computing essentials
- ✓ Different types of cloud

SYSTEM HACKING
- ✓ How hackers compromise our networks
- ✓ Practical walk through of system hacking

CYBERLAWS
- ✓ Laws affecting Information Security
- ✓ Regulation & Legal frameworks

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