PAN AFRICAN
Learning and Growth Network

Your Trusted Learning Partner

IT SECURITY AND CYBERCRIME PREVENTION
Training Workshop

SANDTON LODGE HOTEL
Corner 12th Avenue and River Road
RIVONIA (Edenburg on GPS)
Johannesburg,
SOUTH AFRICA

14th - 18th July, 2025
08:30AM - 16:00PM

Registration Fees:
$2, 500.00 (USD).

Fee Includes
Training Materials
Meals & refreshments during the day
Airport pickup and drop off
Hotel Pickup and drop off
Delegate Laptop
½ day tour to tourist attraction sites

Fee Excludes
Dinner and Accommodation

CELEBRATING
10 YEARS
PALGNET

Introduction

In today's digital world, IT security and cybercrime prevention are more important than ever. Cybercriminals are becoming increasingly sophisticated, and the threats to our personal and business data are constantly evolving. Cybercriminals use the internet to steal data, commit fraud, and disrupt businesses. When data is stolen, it can be used to commit identity theft and stop business operations making businesses lose billions. Cybercrime can also be used to harass or intimidate individuals.

This course will teach you the skills and knowledge you need to protect yourself and your organization from cybercrime. You will learn about the different types of cyber threats, how to identify and assess your vulnerabilities, and how to implement effective security measures. You will also learn about the importance of cybersecurity awareness and best practices. You will learn about the different types of cyber threats, how to identify and assess your vulnerabilities, and how to implement effective security measures. You will also learn about the importance of cybersecurity awareness and best practices.

Methodology

The instructor-led trainings are delivered using a blended learning approach and comprise presentations, guided sessions of practical exercise, web-based tutorials, and group work. Our facilitators are seasoned industry experts with years of experience, working as professionals and trainers in these fields. All facilitation and course materials will be offered in English. The participants should be reasonably proficient in English.

Duration: 5 days Intensive.

Who Should Attend

- IT Security Professionals
- System Administrators and Network Administrators
- IT Managers
- Legal and Compliance Professionals
- Ethical Hackers and Penetration Testers
- Auditors and Risk Assessors

Course Level: Intermediate

Course Objective

- Understand the fundamental concepts of IT security.
- Recognize and classify various cyber threats.
- Learn the importance of security policies and best practices.
- Explore network security measures and protocols.
- Understand the security considerations for applications.
- Learn how to protect sensitive data through encryption.
- Explore the importance of security awareness and training.
- Learn how to respond to security incidents and recover from them.

Course Outline:

Introduction to IT Security and Cybercrime
- Understanding IT security and cybercrime
- The importance of IT security
- Types of cyber threats and attacks
- Legal and ethical considerations
- Employee Training and Security Awareness Programs

Fundamentals of Network Security
- Network security principles
- Firewalls and intrusion detection systems
- Virtual Private Networks (VPNs)
- Securing wireless networks

Types of Cyber Threats
- Malware (Viruses, Trojans, Ransomware)
- Phishing Attacks and Simulation
- DDoS Attacks and Simulation
- Insider Threats and Simulation
- Social Engineering Attacks

Information Security Policies and Procedures
- Developing security policies and procedures
- Access control and user management
- Data classification and protection
- Incident response planning
- The CIA Triad Matrix

Cryptography and Encryption
- Introduction to cryptography
- Encryption algorithms and methods
- Public key infrastructure (PKI)
- Securing communications and data at rest

Web Security
- Web application security
- Common web vulnerabilities
- Authentication and Authorization
- Security for e-commerce and online transactions
- Content Security Policy (CSP)

Mobile Device and IoT Security
- Security challenges in mobile devices
- Mobile app security
- Internet of Things (IoT) security considerations
- Best practices for securing mobile and IoT devices

Cloud Security
- Cloud computing security fundamentals
- Securing cloud infrastructure and services
- Identity and access management in the cloud
- Compliance in the cloud

Social Engineering and Insider Threats
- Understanding social engineering tactics
- Recognizing and mitigating insider threats
- User awareness and training
- Psychological aspects of security

Risk Management and Compliance
- Risk assessment and analysis
- Regulatory compliance
- Security audits and assessments
- Business continuity and disaster recovery planning

Data Security and Encryption
- Data Classification
- Data Loss Prevention (DLP)
- Encryption Methods

Incident Response and Forensics

- Preparing for and responding to security incidents
- Digital forensics principles
- Investigating and documenting security breaches
- Legal aspects of incident response

Certificates
On successful completion of this training course, PALGNET Certificate will be awarded to the delegates

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THE VENUE

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Johannesburg,
South Africa

Welcome to the Sandton Lodge Rivonia, we extend a very warm welcome and trust your upcoming stay or conference with us will be both enjoyable and comfortable

The Simama Hotels Sandton Lodge Rivonia offers business services and facilities. Our 34 Suites are all strictly non-smoking and have; Air-conditioning and Heating, Tea and Coffee Facilities, DSTV Decoder, a Mini-Bar Fridge (Stocked on request) and complimentary Broadband WIFI Internet Access with Secure on-site Parking available.As part of our continued guest-safety measures and growing international trend, the Sandton Lodge Hotel is a cashless establishment, for your convenience all major Credit and Debit cards are accepted in addition to Snap-Scan and Apple-Pay facilities.