



TechPro Workshop: **Cybersecurity Essentials: A Hands-On Introduction**

Unlocking the Fundamentals of Cybersecurity for Aspiring Professionals

One Day Workshop

TRAINERS:



Hussein Hassanali

President ISACA, Karachi Chapter
Former Head of IT Advisory, HBL
Former CISO, Bank Al-Habib



Naushad Siddiqi

Head of Technology Audits - SUI Gas Company
Former Vice President and Head of Information
Security- Samba Bank Ltd.

COURSE OVERVIEW

This one-day intensive workshop offers a comprehensive introduction to cybersecurity, tailored for individuals new to the field or those looking to strengthen their foundational knowledge. Participants will explore key concepts, identify common threats, and learn practical measures to protect personal and organizational information.

The workshop integrates interactive activities to reinforce learning and ensure a dynamic and engaging experience.

WHO SHOULD ATTEND

The course is ideal for:

- Individuals seeking a comprehensive introduction to cybersecurity
- Those planning to work in roles requiring cybersecurity knowledge
- Aspiring professionals starting a career in Information/Cyber Security
- IT professionals transitioning into cybersecurity
- Anyone with information/cybersecurity responsibilities
- Individuals who have learned "on the job" and need formal training to solidify their knowledge
- Professionals with basic IT and information security concepts who want to enhance their skills

LEARNING OUTCOMES

Key areas covered include:

- Understand basic cybersecurity concepts and terminology
- Recognize various types of cyber threats and vulnerabilities
- Grasp essential principles of security architecture and design
- Learn fundamental risk management processes in cybersecurity
- Implement basic cyber hygiene measures across different domains
- Gain insights into incident management, business continuity, and disaster recovery

COURSE DURATION & COURSE CONTENTS

Total Eight (8) hours / One (1) day.

COURSE CONTENTS

1. Introduction to Cybersecurity

- Basic Concepts and Definitions
- Difference between IT Security, Information Security, and Cybersecurity
- Understanding Privacy and Sensitive Data
- Overview of Common Cyber Threats (e.g., malware, phishing)
- Introduction to Cybersecurity Policy Framework
- Importance of Awareness Training and Education

Activity: Threat Identification Exercise - Participants will be given a list of potential cyber threats and asked to categorize them by type (e.g., phishing, malware, social engineering).

2. Fundamental Security Architecture

- Importance of Security Architecture
- Basic Security Architecture Frameworks
- Key Design Principles (e.g., least privilege, defense in depth)
- Simple Authentication and Authorization Concepts
- Minimum Security Baselines
- Security Design Challenges

3. Incident Management, BCP & DRP

- What is an Incident Response Plan?
- Basic Steps in Incident Detection, Prevention, and Response
- Importance of Auditing and Logging
- Simplified Overview of Business Continuity Planning
- Basics of Disaster Recovery Planning

Activity: Incident Response Simulation - A role-playing exercise where participants respond to a simulated cybersecurity incident, following an incident response plan.

COURSE CONTENTS

4. Basic Risk Management

- Simplified Risk Management Concepts
- Understanding Risk Assessment (focus on internal risks)
- Basic Risk Treatment Strategies (Avoidance, Mitigation, Acceptance)
- Identifying and Assessing Common Threats
- Introduction to Risk Appetite and Risk Tolerance

Activity: Risk Assessment Case Study – Small groups will work on a simplified case study to identify risks and propose basic risk treatment strategies.

5. Implementing Basic Cyber Hygiene Measures

- Basic Data Classification and Protection Methods
- Password Management Best Practices
- Introduction to Network Security Basics (routers, firewalls)
- Essentials of Endpoint Security (desktop, mobile devices)
- Introduction to Secure Application Development
- Overview of Physical Security Controls

Activity: Password Policy Development – Participants will develop a basic password policy for an organization, discussing and incorporating best practices.

TRAINERS



Hussein Hassanali

LinkedIn:

<https://t.ly/EvBBV>

Hussein Hassanali, a distinguished British Pakistani professional, brings over 28 years of extensive global experience in Assurance, Risk, and Information Security. Having served as Head Technology Audit at HBL Internal Audit, his background includes pivotal roles such as CISO at Bank AL Habib Limited and Internal Audit Manager at the Aga Khan University. Recognized for his contributions to Information Security, he holds a variety of certifications and is actively involved in several industry associations. Some of his certifications include CISM, CRISC, CISA, and CDPSE. He is associated with ISACA Karachi Chapter as President, FPCCI's Standing Committee on Cyber Crimes & Security, and has been involved with various other organizations such as Ernst & Young, UK, and the Aga Khan University.



Naushad Siddiqi

LinkedIn:

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With a wealth of experience spanning over Twenty Five (25) years, Naushad specializes in consulting and delivering high-impact training sessions in assurance, governance, and information technology. As an accredited trainer for ISACA and APMG certifications, including CISA, CRISC, and CET, he is committed to empowering professionals with the skills and knowledge needed to excel in today's rapidly evolving digital landscape.

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