

A group of diverse professionals in business attire are seated in a classroom or lecture hall, looking attentively towards the front. Some are holding notebooks and pens, suggesting an interactive or practical session.

Cyber Security Masterclass

Venue: Sandton | Online

WHO IT'S FOR

- IT Professionals
- Risk Assessors
- Security Professionals
- System engineers
- Auditors and Site Administrators
- Anyone involved in IT, cyber, and digital; Security

3 - 7 April 2023
Don't Miss Out!

MINIMUM NUMBER OF DELEGATES
Four (4) Delegates

CONTACT US

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DURATION

5 Days
(Consecutive days,
8 hours each)

DELIVERY

Your choice of attending
ONLINE or **ON-CAMPUS**

COST

R16,999 Online
R18,999 On-Campus
(incl Breakfast and lunch)

Executive Summary

In this, globally -connected world cybersecurity is a growing threat to everyone. The digital world has brought about unprecedented risk and challenges that need to well comprehended and addressed.

Whether you represent a business, government institution, academia, or non-profit entry, we understand your digital requirements. This 5 Day training will help you understand and manage cybersecurity risks and develop matching response frameworks and plans. As part of the program, we will help you determine direct and indirect threats, security exposures, and potential vulnerabilities that might affect your organisation and prepare you for incident response.

Learning Objectives

By the end of the program, participants will be able to:

1. Employ leading international standards and governance models for cybersecurity
2. Determine specific threats presented by malware, viruses, active code, and APT and selected appropriate mitigating tools and mechanisms.
3. Build and manage high-performing cyber-security teams
4. Comprehend CSIRT framework, tools, and capabilities and deliver functional solutions for protecting the organisation
5. Determine potential insecurities within the organisation by examining security protocols and attributes.
6. Determine a comprehensive understanding of how penetration testing and ethical hacking can enhance organisational security.



Course Outline

DAY 1

Module One

- Introduction to Cyber-security and Organised Crime
- Key components for Cyber Crime and Targeted Attack
- Information Security standards
- ISO/IEC 27001
- Control Objectives for Information and Related Technology
- ISO/IEC 2018
- Privacy Regulations
- Government Stipulation and Access to private Data

DAY 3

Module Three

- Ethical Hacking and Black hat hacking
- Mitigating viruses, malware, active code threats, and APT
- CSIRT Framework and Tools
- Incident First Response
- Digital Forensics
- SCADA
- Abuse Images
- Secure Operation Centre
- Corporate Security Organisation Framework
- Deploying Computer Security Incident Response Team

DAY 5

Module Five

- Knowledge Share: How to harness the potential of Cybersecurity tools and solutions and tackle challenges

DAY 2

Module Two

- Enterprise security: External Defences, Web filtering, IPS, IDS and Firewall
- Secure Code and Software Development Lifecycle
- Potential in securities in developed applications
- WiFi security protocols and attributes
- VoIP security protocols and attributes
- VoIP Security
- NLP and Employee Security Perception
- Security Education and Awareness
- Penetration testing

DAY 4

Module Four

- Security Incident and Event
- System I/O Security
- Risk of Active Code Injection
- Cyber Crime and Darknet
- Open-source Intelligence
- Cyber Threat Intelligence
- Security Tools
- Encryption and Virtual Private Network
- The 1-10-60 Rule
- Alternate Data Streams (ADS) and NTFS Environment

All participants will receive comprehensive copies of the presentation slides, handouts and other course materials.



Facilitator

Advent Marange CA(SA) RA, P.D. Corporate Law

Advent is a highly sought-after consultant, trainer and speaker with more than 7 years financial services experience gained in South Africa and at least five countries in Southern Africa. He is a Chartered Accountant South Africa, Advent holds a bachelor's in commerce in Finance Cum Laude, Post Graduate Diploma in Corporate law Cum laude and has received numerous awards for academic excellence. He qualified as a Chartered Accountant in 2016 and has worked as a Senior Manager at Nkonki.

He worked with various small business corporations and large private and state-owned entities in South Africa, Zambia and Namibia which enabled him to gain great experience in accounting, Taxation, finance and investments.



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