GTC Transforming Emerging Economies

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Advanced Threat Detection and Security Intelligence

COURSE OVERVIEW

This course presents an exploration of modern cyber defense mechanisms and intelligence-driven approaches for identifying, preventing, and responding to sophisticated security threats. The curriculum elaborates on cybersecurity operations, intelligence analysis, and strategic decision-making, empowering professionals to build resilient and proactive security infrastructures across organizations. Delegates will gain mastery in advanced analytical, technical, and strategic skills required to detect, analyze, and respond to emerging cyber threats in real time.

WHO SHOULD ATTEND?

This course is designed for cybersecurity professionals, IT managers, security analysts, incident response teams, system administrators, and decision makers responsible for safeguarding digital assets. It is also valuable for professionals seeking to enhance their expertise in advanced threat detection techniques and security intelligence for both enterprise and critical infrastructure environments.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Analyze indicators of compromise (IoCs) and correlate threat data across multiple environments.
- Build and manage a comprehensive Threat Intelligence Platform (TIP).
- Implement effective Security Information and Event Management (SIEM) systems and workflows.
- Design and execute proactive incident detection and response frameworks.
- Apply predictive analytics to anticipate, prioritize, and prevent cyber threats.
- Collaborate across teams using threat-sharing frameworks (STIX/TAXII) and open intelligence feeds.
- Strengthen organizational resilience through continuous monitoring, automation, and threat hunting techniques.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- The full lifecycle of cyber threat intelligence from data collection to actionable insights.
- How to use AI, ML, and automation tools for predictive threat analysis.
- The architecture and role of Security Information and Event Management (SIEM) systems.
- Techniques for threat hunting, digital forensics, and behavioural analytics.
- How to identify and respond to zero-day exploits, phishing, and ransomware.
- The principles of threat modelling, risk scoring, and prioritizing responses.
- How to build an intelligence-led cybersecurity strategy that anticipates and mitigates emerging threats.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded