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Data Mining for Fraud Detection in the Public and Corporate Sectors

COURSE OVERVIEW

This course provides practical skills and knowledge on using data mining techniques to detect fraud in both public and corporate sectors. The curriculum covers classification, clustering, and predictive analytics methods, combined with AI and machine learning for fraud detection. It also includes training on digital forensics, regulatory compliance, and risk mitigation strategies. Participants will learn how to uncover suspicious patterns and anomalies within large datasets. Hands-on case studies and real-world examples will be used to prepare participants to apply data-driven approaches to prevent, detect, and investigate fraudulent activities effectively.

WHO SHOULD ATTEND?

This course is designed for auditors, compliance officers, forensic investigators, risk managers, consultants, finance leaders, and public sector professionals responsible for detecting and preventing fraud. It is equally valuable for consultants, regulators, and transformation leaders integrating advanced analytics into fraud detection systems.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand data mining applications for fraud detection.
- Apply machine learning and analytics to identify suspicious patterns.
- Strengthen fraud detection frameworks with ACFE, ISO 37001, and AML principles.
- Build predictive systems to reduce fraud risks in public and corporate sectors.
- Integrate fraud analytics into compliance and governance systems.
- Develop proactive, data-driven fraud prevention systems.
- Enhance investigative capacity in both public and corporate environments.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Data mining techniques for fraud detection.
- Case studies on fraud prevention in public and corporate organizations.
- The practical tools for anomaly detection and predictive modeling and risk monitoring.
- Application of ACFE, ISO 37001, and AML standards in fraud detection.
- The frameworks for data-driven compliance and governance strategies.
- Strategies for embedding data-driven fraud prevention into governance.
- The future of fraud analytics in governance.

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.