

Predictive Fraud Risk Modelling and Prevention Strategies

COURSE OVERVIEW

This course provides an extensive framework with the knowledge and tools to leverage on predictive analytics and advanced modeling to anticipate, detect, and prevent fraud. The curriculum explores the use of AI, machine learning, and big data to identify anomalies, assess fraud risks, and strengthen prevention strategies across industries. Delegates will gain insights into aligning fraud risk management with international frameworks such as ACFE (Association of Certified Fraud Examiners) principles, ISO 37001 Anti-Bribery Management Systems, and global anti-money laundering (AML) regulations, ensuring prevention strategies are ethical, robust, and globally compliant.

WHO SHOULD ATTEND?

This course is designed for risk managers, compliance officers, fraud analysts, forensic auditors, forensic accountants, business intelligence and analyst professionals, financial controllers, and governance professionals. It is also suitable for consultants, investigators, regulators, and transformation leaders tasked with building predictive fraud prevention frameworks.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand predictive modeling techniques for fraud risk detection.
- Develop predictive models to identify fraud-prone behaviours and high-risk transactions.
- Apply AI and big data analytics to anticipate fraudulent activities.
- Strengthen fraud prevention strategies with global compliance frameworks.
- Align fraud risk management with ISO 37001, ACFE, and AML principles.
- Build resilient systems for proactive fraud prevention.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- The evolution from traditional fraud detection to predictive risk modeling.
- Key components of a fraud risk model (data inputs, feature engineering, algorithm, selection and output interpretation)
- Common techniques used in predictive fraud analytics.
- Case studies on successful deployment of predictive fraud prevention strategies in financial, government and corporate sectors.
- The practical tools for anomaly detection and fraud risk forecasting.
- Frameworks for compliance with ISO 37001, ACFE, and AML regulations.
- Strategies for designing fraud prevention systems that scale.

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.