Certified AI Auditor Training

BILGINC IT Academy
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Duration: **4 Day**

What Can You Achieve with This Training?

- Develop the ability to independently assess **AI system governance, reliability, and control environments**.
- Systematically evaluate **AI risks, algorithmic bias, data integrity, transparency, and security vulnerabilities**.
- Prepare **risk-based AI audit plans** by defining audit objectives, scope, resources, and work programmes.
- Assess **model cards, system maps, data quality, fairness, and model performance** through structured audit evidence.
- Strengthen your skills in **reporting audit findings, tracking corrective actions, and verifying remediation**.
- Prepare for the **PECB Certified AI Auditor certification examination** while developing professional capabilities in AI auditing.

The **Certified AI Auditor Training** provides professionals with the knowledge and practical skills required to **assess, audit, and govern artificial intelligence systems** through a structured and risk-based approach.

As organisations increasingly integrate AI into their operations, independent assessment of these technologies becomes essential for addressing concerns relating to **reliability, accountability, ethical use, data integrity, security, and regulatory compliance**.

This course prepares participants to contribute to **independent assurance over AI systems**, evaluating whether appropriate governance arrangements, risk management practices, and controls are in place.

The programme begins with the fundamentals of **AI Assurance**, introducing core AI concepts, the AI system lifecycle, organisational AI strategy, decision-making governance, and accountability structures.

Participants then examine **AI risk assessment, control environment evaluation, lifecycle controls, and risk-based audit planning**. They learn how to define audit objectives and scope, develop an **AI Risk and Control Matrix**, allocate resources, and prepare structured audit work programmes.

The practical elements focus on **gathering and evaluating audit evidence, testing AI controls, assessing model governance, and preparing audit reports**.

The course also considers AI-specific assurance areas such as **bias, fairness, transparency, data quality, model performance, robustness, traceability, and ongoing monitoring**.

The final stage addresses **communicating audit findings, recommending corrective actions, monitoring remediation, and verifying improvements through follow-up activities**.

Throughout the training, **knowledge checks, practical exercises, and quizzes** reinforce key concepts

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and support preparation for the **PECB certification examination**.

Exams and Certification

Participants complete a **formal certification examination administered by PECB after the course**.

Prerequisites

Participants should have a fundamental understanding of:

- **Artificial Intelligence (AI)** concepts and principles
- The **AI system lifecycle**
- **Audit methodologies** and fundamental auditing approaches

Who Should Attend

This course is designed for professionals involved in assessing**AI risks, internal controls, regulatory compliance, and organisational governance**.

It is particularly relevant to:

- **Internal auditors** evaluating organisational controls and technology-related risks
- **External auditors** seeking to understand AI-related audit risks
- **IT auditors and information security professionals**
- **Risk and compliance officers** responsible for AI regulatory requirements
- **Data governance and AI governance professionals**
- **Consultants** supporting AI risk management and compliance initiatives

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What You Will Learn

By the end of this course, participants will be able to:

- Explain fundamental **AI concepts**, AI system lifecycle activities, and the role of auditing in**AI Assurance**.
- Assess **AI governance, accountability, and organisational oversight** arrangements.
- Identify and evaluate AI-related **risks, ethical concerns, transparency gaps, algorithmic bias, and security vulnerabilities**.
- Review the **AI control environment** and controls applied throughout the AI lifecycle.
- Develop **risk-based AI audit plans**, including audit objectives, scope, criteria, and resources.
- Create an **AI Risk and Control Matrix** to structure audit procedures.
- Design **AI audit work programmes** and plan individual audit engagements.
- **Collect, verify, and evaluate audit evidence** relevant to AI systems.
- Examine **model cards** and **system maps** as part of AI audit assessments.
- Evaluate controls relating to **data quality, fairness, model performance, robustness, traceability, and monitoring**.
- Test **AI model governance arrangements and associated controls**.
- Prepare clear **audit reports** and communicate findings and conclusions to stakeholders.
- Recommend appropriate **corrective actions** for identified control weaknesses.
- Track remediation activities and **verify the effectiveness of corrective actions** through follow-up procedures.
- Support independent assurance over the **responsible, secure, and compliant use of AI systems**.

Training Outline

1. AI Assurance Foundations and Governance Context

This module introduces the principles of AI assurance and explores the organisational governance structures that support effective AI oversight and auditing.

- Reviewing the **training objectives and course structure**
- Introducing **AI Assurance**
- Exploring **AI fundamentals**

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- Understanding **AI strategy and decision-making governance**
- Evaluating **AI governance, accountability, and organisational oversight**
- Examining the **AI risk landscape**
- Defining the **AI audit universe**

2. AI Risk, Controls, and Audit Planning

This module focuses on identifying AI-related risks, assessing the control environment, and developing an appropriate risk-based audit approach.

- Examining the **AI risk assessment process**
- Evaluating the **AI control environment**
- Assessing **AI lifecycle controls**
- Developing **risk-based AI audit plans**
- Establishing **AI audit objectives and scope**

3. AI Audit Engagement Design and Work Programme Development

This module explores how to organise an AI audit engagement, allocate resources, and translate identified risks into structured audit activities.

- Developing an **AI Risk and Control Matrix**
- Planning **resource management for AI audits**
- Preparing and organising the **AI audit engagement**
- Creating an **AI audit work programme**

4. AI Audit Execution, Reporting, and Follow-Up

This module covers the practical execution of AI audits, from evaluating evidence and testing controls to reporting findings and verifying corrective actions.

- **Gathering and evaluating AI audit evidence**
- **Testing AI controls and model governance**
- Preparing **audit reports**
- Communicating **audit findings and conclusions**
- **Tracking corrective actions**
- Conducting **follow-up and verification activities**

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