

Advanced in AI Audit (AAIA)

Course Duration : 40 Hours

Course code : AAIA

1. Course Overview

The Advanced in AI Audit (AAIA) course is designed for professionals responsible for auditing, governing, and assuring artificial intelligence systems within organizations. This course focuses on evaluating AI models, data governance, algorithmic risk, ethical considerations, and regulatory compliance. Learners gain practical knowledge of auditing AI systems to ensure transparency, fairness, security, and alignment with organizational and regulatory requirements.

2. What you'll learn?

- Fundamentals of AI systems and machine learning models
- AI governance, ethics, and regulatory frameworks
- Auditing AI data pipelines and model lifecycle
- Identifying bias, fairness, and explainability issues
- AI risk management and control assessment
- Continuous monitoring and assurance of AI systems

3. Target Audience

- IT and Technology Auditors
- Risk, Governance, and Compliance Professionals
- Data Science and AI Governance Teams
- Information Security Professionals
- Consultants involved in AI assurance and audit

4. Pre-Requisites

- Basic understanding of AI, data analytics, or machine learning concepts
- Experience in IT audit, risk management, or governance is recommended
- Familiarity with compliance and control frameworks is beneficial

5. Course Content (Modules)

Module 1: Introduction to AI and Audit Concepts

- AI fundamentals and use cases
- Role of auditing in AI systems

Module 2: AI Governance and Ethical Frameworks

- AI governance models
- Ethical principles and responsible AI

Module 3: Data Governance and Model Lifecycle Audit

- Data sourcing, quality, and privacy
- Model development, testing, and validation

Module 4: AI Risk, Bias, and Explainability

- Identifying bias and discrimination
- Model transparency and explainability techniques

Module 5: AI Controls, Monitoring, and Compliance

- Control design for AI systems
- Regulatory compliance and continuous monitoring