

GRC TRAINING: AI-DRIVEN GOVERNANCE & COMPLIANCE STRATEGIES



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TRAINING CENTER



Introduction

GRC Training: AI-Driven Governance & Compliance Strategies Training Course prepares governance, risk, and compliance professionals to use artificial intelligence as a strategic instrument for oversight. Participants work through GRC foundations and the AI opportunity, AI governance frameworks including the NIST AI RMF and ISO/IEC 42001, AI-driven compliance monitoring, regulatory mapping, and horizon scanning, AI in risk assessment, control testing, and continuous assurance, and AI governance controls, ethics, explainability, and responsible deployment as one connected discipline. The programme links the accountability a GRC function owes with the intelligence that strengthens it. As a result, learners gain a practical command of AI-driven governance and compliance. Furthermore, the course strengthens governance judgement, AI literacy, and control discipline.

GRC Training: AI-Driven Governance & Compliance Strategies Course Objectives

- Explain GRC foundations and where AI adds strategic value.
- Apply AI governance frameworks: NIST AI RMF and ISO/IEC 42001.
- Apply AI-driven compliance monitoring and obligation tracking.
- Apply AI-assisted regulatory mapping and horizon scanning.
- Apply AI in risk identification, scoring, and emerging risk detection.
- Apply AI-enabled control testing and continuous assurance.
- Apply AI for policy analysis, gap detection, and document review.
- Apply AI governance controls, model risk, and third-party AI oversight.
- Apply AI ethics, bias management, explainability, and transparency rules.
- Apply AI adoption roadmaps, validation, and GRC maturity assessment.



Course Methodology

- Interactive sessions built on AI-in-GRC and governance cases.
- Workshops on AI framework mapping, use-case selection, and control design.
- Group exercises on AI monitoring scenarios and model risk review.
- Hands-on practice with governance dashboards, control matrices, and registers.
- Simulation of an AI governance review and a model risk committee session.
- Facilitator coaching and peer review on AI adoption roadmaps.

Who Should Take This Course

- Governance, risk, and compliance professionals.
- Chief risk and chief compliance officers.
- Internal auditors and assurance specialists.
- Technology governance and data governance officers.
- Control and process owners adopting AI tools.
- Consultants advising on AI governance and GRC technology.

GRC Training: AI-Driven Governance & Compliance Strategies Course Outlines

Day 1: GRC Foundations and the AI Opportunity

- GRC concepts, scope, and integration logic.
- Where AI genuinely adds strategic value in GRC.
- AI capability landscape: machine learning, NLP, and analytics.
- Hype versus value in AI-supported governance.

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- Common GRC failures and how AI can help or mislead.
- AI ownership, sponsorship, and governance accountability.
- Case discussion: an AI tool that flagged nothing and hid the risk.

Day 2: AI Governance Frameworks and Standards

- NIST AI Risk Management Framework: govern, map, measure, manage.
- ISO/IEC 42001 AI management system requirements.
- OECD AI Principles and EU AI Act risk tiers overview.
- AI policy architecture, roles, and accountability lines.
- AI inventory, use-case registers, and classification.
- Third-party and vendor AI oversight expectations.
- Workshop: mapping a use case to AI governance requirements.

Day 3: AI-Driven Compliance and Regulatory Intelligence

- AI-assisted obligations registers and compliance mapping.
- Regulatory horizon scanning with AI and change detection.
- Automated policy review, gap analysis, and clause matching.
- AI in sanctions, AML, and transaction monitoring.
- Alert triage, false positive reduction, and investigation support.
- Explainability and defensibility of AI-assisted findings.
- Exercise: designing an AI monitoring use case and its controls.

Day 4: AI in Risk, Controls, and Continuous Assurance

- AI in risk identification, scoring, and risk register enrichment.



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- Emerging risk detection and weak signal analysis.
- Predictive analytics for control failure and anomaly detection.
- AI-enabled continuous control monitoring and audit analytics.
- Model risk management and AI validation basics.
- Bias, drift, and performance monitoring of models.
- Simulation: reviewing an AI model and its control environment.

Day 5: AI Governance Controls, Ethics, and Roadmaps

- AI ethics, fairness, transparency, and accountability principles.
- Data governance prerequisites: quality, lineage, and privacy.
- Controls over AI: access, logging, human oversight, and review.
- AI incident handling, escalation, and regulatory reporting.
- Measuring AI value, efficiency, and assurance uplift.
- AI adoption roadmap, phasing, and capability building.
- Capstone: presenting an AI-driven governance and compliance strategy.

Conclusion

By successfully completing GRC Training: AI-Driven Governance & Compliance Strategies, participants will gain a practical command of GRC foundations and AI opportunity assessment, AI governance frameworks including the NIST AI RMF and ISO/IEC 42001, AI-driven compliance monitoring and regulatory intelligence, AI in risk assessment, control testing and continuous assurance, and AI governance controls, ethics, model risk, and adoption roadmapping. They will acquire skills in AI governance framework and policy design, AI-driven compliance monitoring and regulatory intelligence, AI-enabled risk and control assurance, and AI ethics, model risk, and responsible deployment oversight that hold up under scrutiny. Gentex Training Center designs the programme to help professionals govern and comply with AI support and confidence.





FAQs for the GRC Training: AI-Driven Governance & Compliance Strategies course

Q1 What is the "GRC Training: AI-Driven Governance & Compliance Strategies" course about?

It prepares governance, risk, and compliance professionals to use artificial intelligence as a strategic instrument for oversight. The course spans GRC foundations and the AI opportunity, AI governance frameworks and standards, AI-driven compliance and regulatory intelligence, AI in risk, controls and continuous assurance, and AI governance controls, ethics and roadmaps.

Q2 What are the key benefits of the "GRC Training: AI-Driven Governance & Compliance Strategies" course?

You gain a practical command of AI-driven governance and compliance that links the accountability a GRC function owes with the intelligence that strengthens it. The course improves use-case selection and framework mapping, strengthens monitoring and regulatory intelligence, sharpens risk and control assurance with analytics, and builds model risk, ethics, and adoption discipline.

Q3 What skills will I gain from the "GRC Training: AI-Driven Governance & Compliance Strategies" course?

You will develop four core skills: AI governance framework and policy design, AI-driven compliance monitoring and regulatory intelligence, AI-enabled risk and control assurance, and AI ethics, model risk, and responsible deployment oversight.



Q4 What tools, methods, or standards are covered in the "GRC Training: AI-Driven Governance & Compliance Strategies" course?

The course covers GRC concepts, scope and integration logic, where AI adds strategic value in GRC, the AI capability landscape across machine learning, NLP and analytics, AI ownership, sponsorship and governance accountability, the NIST AI Risk Management Framework functions of govern, map, measure and manage, ISO/IEC 42001 AI management system requirements, OECD AI Principles and EU AI Act risk tiers, AI policy architecture, roles and accountability lines, AI inventory, use-case registers and classification, third-party and vendor AI oversight, AI-assisted obligations registers and compliance mapping, regulatory horizon scanning and change detection, automated policy review, gap analysis and clause matching, AI in sanctions, AML and transaction monitoring, alert triage, false positive reduction and investigation support, explainability and defensibility of AI-assisted findings, AI in risk identification, scoring and risk register enrichment, emerging risk detection and weak signal analysis, predictive analytics for control failure and anomaly detection, AI-enabled continuous control monitoring and audit analytics, model risk management and AI validation basics, bias, drift and performance monitoring of models, AI ethics, fairness, transparency and accountability principles, data governance prerequisites of quality, lineage and privacy, controls over AI including access, logging, human oversight and review, AI incident handling, escalation and regulatory reporting, measuring AI value, efficiency and assurance uplift, and AI adoption roadmapping and capability building.



Q5 How is the "GRC Training: AI-Driven Governance & Compliance Strategies" course applied in real-world practice?

Participants apply it to real work such as mapping a use case to AI governance requirements, designing an AI monitoring use case and its controls, enriching a risk register with AI-assisted scoring, reviewing an AI model and its control environment, handling an AI incident and escalation, drafting an AI policy and use-case register, and presenting an AI-driven governance and compliance strategy. The same methods support model risk review and AI adoption roadmapping.