

Data Governance & Ethics in Action: Designing Scalable, Responsible Data Frameworks (40 hrs) - 5 Days Course

Course Overview

In an increasingly data-driven world, organizations must not only manage data effectively but also ensure it is governed responsibly and used ethically. This course provides a comprehensive and structured approach to Data Governance, Data Management, and Data Ethics, enabling organizations to build trust, ensure compliance, and drive business value.

Aligned with globally recognized frameworks such as DAMA-DMBOK and COBIT, the course takes participants from foundational concepts to practical implementation strategies. It emphasizes designing governance operating models, improving data quality, managing metadata, and embedding ethical considerations into data and AI-driven initiatives.

By the end of this course, participants will be equipped to establish scalable governance frameworks, enhance data reliability, and foster a culture of responsible data usage across the enterprise.

Course Prerequisites

There are **no formal prerequisites** for this course. It is designed to be accessible to both beginners and professionals looking to build or enhance their understanding of Data Governance, Data Management, and Data Ethics.

Course Content (Day-wise)

Day 1: Foundations of Data Governance & Management

- Understanding Data as a Strategic Asset
 - Data vs Information vs Knowledge
 - Introduction to Data Management (DAMA-DMBOK Overview)
 - Data Management Knowledge Areas
 - What is Data Governance? Purpose, Scope, and Drivers
 - Governance vs Management vs Data Strategy
 - Business Alignment and Value Realization
 - Overview of Governance Frameworks (DAMA, DCAM, COBIT)
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Day 2: Data Governance Operating Model

- Governance Structure and Organizational Setup
 - Roles & Responsibilities (Data Owners, Stewards, Custodians)
 - Governance Councils and Committees
 - RACI Model and Accountability Framework
 - Policy, Standards, and Procedures
 - Data Lifecycle Governance
 - Data Ownership and Accountability Models
 - Introduction to Data Quality Frameworks and KPIs
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Day 3: Core Data Management Capabilities

- Data Quality Management (Dimensions, Rules, Monitoring)
 - Metadata Management (Business & Technical Metadata)
 - Data Lineage and Data Catalog Concepts
 - Master Data Management (MDM) and Golden Record Concept
 - Data Architecture Overview (Warehouse, Lake, Lakehouse)
 - Integration of Governance with Data Platforms
 - Data Security, Privacy, and Classification
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Day 4: Data Ethics & Implementation Strategy

- Introduction to Data Ethics and Responsible Data Usage
 - Ethical Risks in Data and AI (Bias, Fairness, Transparency)
 - AI Governance Fundamentals
 - Regulatory Considerations (GDPR and related frameworks)
 - Designing a Data Governance Implementation Roadmap
 - Maturity Models and Capability Assessment
 - Change Management and Stakeholder Engagement
 - Driving Adoption and Data Culture
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Day 5: Case Study & Practical Application

- End-to-End Industry Case Study
 - Designing a Data Governance Framework
 - Group Discussion
 - Key Challenges and Best Practices
 - Course Summary and Key Takeaways
 - Q&A and Next Steps
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Target Audience

- Data Governance Professionals & Data Stewards
- Data Analysts, Data Engineers, and Data Architects
- Business Analysts & Product Managers
- IT and Data Management Professionals
- Risk, Compliance, and Audit Teams
- Managers and Leaders driving data initiatives
- Professionals aspiring to build a career in Data Governance