

Information Architecture

Length : 4 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

The Iasa Information Architecture training is a platform from which participants develop specialist skills in information management encompassing the entire information lifecycle stack such as storage, retrieval, usage, integration, delivery, manipulation.

Participants are equipped with a unique ability to extract bottom-line value increase in their organisation via a primarily information-driven strategy. They shall have an eye for developing technical solutions to the best advantage of their customers and organisation in ways that would satisfy the expected information quality attribute levels. This course also covers data integration at both Company and System levels, information reusability, and governance mechanisms for meeting and exceeding information governance standards.

Audience Profile

Information Architecture is a fascinating class for anyone who has anything to do with data and information at work. Highly recommended for:

- Digital Content Specialists
- Database Analysts, Database Administrators, Database Designers
- Information Analysts, Information Consultants, Data Analysts
- User Experience Analysts
- User Interface Designers
- Data Warehouse Specialists
- Data Centre Engineers
- Integration Specialists
- Junior and Associate Information Architects
- Technical Decision Makers
- IT Management team members

Objectives

- Manage information-related resources including storage, retrieval, delivery, classification and utilization of information to maximize shareholder values and support technology strategies.
- Develop technical solutions that conform to both customer requirements and information development standards.
- Design, build and manage information landscape that would dovetail with business objectives.

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- Develop, out of information and database components and their relationships, information taxonomical and ontological schemas in the context of technology software and infrastructure.
- Artfully and scientifically shape information products, services and experiences to support reusability and retrievability of data within the enterprise.
- Deliver business impacts and values centring on storage, retrieval, usage, presentation and design of information.
- Perform Data Modelling, Practical Techniques and Application, and Data Profiling Techniques.

Course Outline:

Module 1: Information for Business

Lessons:

- Lesson 1 – Information as Strategy
- Lesson 2 – Relating Information to Values
- Lesson 3 – Information Scope and Governance

Module 2: Information Usage

Lessons:

- Lesson 1 – How, When, Where and Why Information is used
- Lesson 2 – Quality Attributes
- Lesson 3 – Form Factors
- Lesson 4 – Data Tools and Frameworks

Module 3: Data Integration

Lessons:

- Lesson 1 – Data Integration at the Company level
- Lesson 2 – Data characteristics
- Lesson 3 – Data integration at the System level

Module 4: Data Quality and Governance

Lessons:

- Lesson 1 – Data and Information Quality
- Lesson 2 – Data compliance
- Lesson 3 – Data and Information Governance

Module 5: Advanced Information Management

Lessons:

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- Lesson 1 – Data warehousing
- Lesson 2 – Business Intelligence
- Lesson 3 – Data security and privacy
- Lesson 4 – Matadata and Taxonomy management
- Lesson 5 – Knowledge Management

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