GEMRAIN CONSULTING

INFORMATION ARCHITECTURE

Duration: 4 days; Instructor-led

COURSE DESCRIPTION

Information architecture includes information storage, movement, and display including site content and data management.

Information architects develop deep skills in information as one of an organization's key assets. They work in areas of presentation and information usage such as devices and interface as well as storage and retrieval. In addition, information architects are key to partner and be part of the internal integration. This course provides deep coverage of each of these areas.

This course is delivered in instructor-led format. Each day the course instructor will guide students through various base skills and definitions, discussions and recommended information architecture best practices for delivery of business technology strategy and values. Student's progress through detailed definitions and ontology, instructor and student led discussions, hands-on workshops and industry case studies.

AUDIENCE

- Database Analysts.
- Information Analysts.
- Data Analysts.
- User Experience Analysts.
- User Interface Designers.
- Project Leaders.
- Technical Consultants.
- Data Warehouse Specialist.
- Integration Specialist.
- Database Administrators.
- Database Designers.
- Datacenter Engineers.
- System Analysts.
- Information Consultants.

PREREQUISITES

Candidate must have taken 4-days Business Technology Strategy (BTS) course.

KEY BENEFITS

- Be able to manage information related resources including storage, retrieval, delivery, classification and utilization of information to best deliver shareholder values as well as to support technology strategy.
- Be able to design, build and manage information landscape that directly supporting business objectives.
- Be able to develop of information taxonomy and ontology schema by utilizing of information and database components and their relationship in the context of technology software and infrastructure.
- Be able to deliver business impacts and values on the technology within the following scopes and contexts:
    - The storage of information in database, file, image or other digital formats.
    - The retrieval of information including technical, usage and time constraints.
    - The usage of information and support of business strategy.
    - The presentation of relevant information to the users.
    - The design of information including structure, content, relationship, dependency and data management.
- Be able to apply critical skills in the context of art and science in shaping information products, services and experiences to support usability and find-ability of information within the enterprise.

KEY CONTENT

Module 1: Architecture Fundamentals Introduction: Data, Information and Knowledge

Module 2: Information for Business

- Information strategy.
- Relating information to value.
- Information scope and governance.

Module 3: Information Usage

- Who uses your information.
- How, when, where and why is information used
- Form factors.
- Usage design 1
- Quality attributes for information architecture.
- Data tools and frameworks.

Module 4: Data Integration

- Integrating at the company level.
- Data characteristics.
- Data integration at the system level.

Module 5: Data Quality and Governance

- Data and information quality.
- Data compliance.
- Data and information governance,

Module 6: Advanced Information Management

- Data warehousing.
- Business intelligence.
- Data security and privacy.
- Metadata and Taxonomy Management.
- Knowledge Management.