

Business Requirements Analysis

Course Summary

Description

Learn how to analyze and document systems requirements using industry standard techniques (such as data and process models, use cases and use case diagrams. Practice gathering and analyzing user requirements in preparation for modeling both system activities and data requirements in diagram form to ensure precise, detailed systems specifications. Document processes to show how they interact step by step with the users and stakeholders, describe what the system does, and function as a unifying thread throughout the system life cycle (from analysis through design and test phases of development). Learn to diagram complex processes that cut across multiple business areas and processes. Develop data models for detailed information and database requirements, including normalization techniques for quality checking. Learn related requirements analysis techniques, linking business processes to information requirements and organizational objectives, and investigate opportunities for process improvement. Develop practice in gathering requirements from uses and other stakeholders. Apply further quality assurance practices in documenting and modeling requirements for systems. Gain in-depth skill in requirements analysis through a mix of lectures, quizzes, case studies, and client subject area workshops – achieving a more effective skills transfer within a relevant, real-world context.

Topics

- Introducing Key Systems Requirements Analysis Techniques
- Analyzing Process Requirements and Systems Activities
- Investigating Objectives, Critical Success Factors, and Key Performance Indicators
- Modeling Activity Steps, Triggers and Flows in Use Case, and Process Diagrams
- Connecting “Actors” (Organizational Units and Roles) to Activity Steps
- Interviewing Stakeholders and other Requirements Gathering Techniques
- Documenting Business Rules, Logic Conditions, and Activity Descriptions in Use Cases
- Investigating Areas for Process Improvement prior to Systems Design
- Information Requirements Analysis and Data Modeling
- Modeling Data in Third Normal Form for Online Transaction Processing Databases
- Diagramming Denormalized Star Schemas for Data Warehouse Designs
- Quality Assurance Techniques for Requirements Analysis and Next Steps

Audience

This course is designed for business/systems analysts, subject matter experts, and others seeking hands-on practice in using structured requirements analysis and modeling techniques.

Prerequisites

There are no prerequisites for this course.

Duration

Five days