CTES TRAINING Knowledge that Works FORMATION SETC Les connaissances au travail

Business Analysis Training

1. Title

- Business Analysis in Practice: Requirements, Use Cases and Business Process Modeling (BA201, 5 days) - View PDF

2. Course Description

- This CTES Certified Business Analysis course provides business professionals with a good overview of the end to end roles and responsibilities of a business analyst in the context of an application development or business process reengineering project. The course begins with a detailed study of the requirements gathering, modeling and validation process. This is followed by a thorough exploration of Business Process Modeling Notation (BPMN). The focus is on the development of high quality business requirements and business process models in support of an organization's business process reengineering or systems development activities. The course concludes with a discussion of the testing and data modeling disciplines and of their relationship to the overall business development lifecycle.

3. Course Pre-requisites

- Course participants must have previous experience in a Business Analysis role or have equivalent knowledge as determined by course BA101.

4. Target Audience

- Business professionals who want to apply the best practices of business analysis to their projects

5. Outline

Module 1: Business Analysis

Topic 1: Overview of Business Analysis

Topic 2: Business Analysts' Roles and Responsibilities

Topic 3: Key Requirements Documents

Topic 4: Preparing the Business Cases

Topic 5: An Introduction to Project Management

Topic 6: Use Cases and the Analysis Process

Topic 7: Management of Requirements and Use Cases

Topic 8: The Complete Requirements Elicitation Process

Topic 9: Roles and Expectations of Team Members

Module 2: Project Definition and Scoping

Topic 1: Choosing a Methodology

Topic 2: The Rational Unified Process

Topic 3: The Inception Phase

Topic 4: The Elaboration Phase

Topic 5: The Construction Phase

Topic 6: The Transition Phase

Topic 7: Agile Development

Module 3: Essential Business Skills in Practice

Topic 1: Facilitation Techniques

Topic 2: Negotiation Techniques

Topic 3: Negotiation and Decision Making: Wielding Power

Topic 4: Validating and Testing Requirements

Module 4: Editing and Validating Requirements in Practice

Topic 1: The Requirements Shell

Topic 2: The Quality Gateway

Topic 3: Validating and Testing Requirements

Topic 4: Editing and Rewriting Requirements

Topic 5: Writing Test Cases

Topic 6: The Business Requirements Document

Module 5: Modeling Requirements in Practice

Topic 1: Process Mapping Procedure and Materials

Topic 2: Creating Process Maps

Topic 3: Alternative Graphical Models

Topic 4: Using a Requirement Model Diagram

Topic 5: Gap Analysis

Topic 6: Prioritizing Requirements

Module 6: Business Process Modeling (BPM) in Practice

Topic 1: About BPM Theory

Topic 2: BPM Design Patterns

Topic 3: Basic Patterns

Topic 4: Branch and Join Patterns

Topic 5: Structural Patterns

Topic 6: Multiple Instances Pattern

Topic 7: State Based Patterns

Topic 8: Cancellation Patterns

Topic 9: A Complete Example

Module 7: Use Cases in Practice

Topic 1: Use Cases Revisited: BUCs versus SUCs

Topic 2: Use Case Diagrams

Topic 3: Use Case Formats

Topic 4: Use Case Sections

Topic 5: When Are We Done?

Module 8: Test Plans, Test Cases and Bug Reports in Practice

Topic 1: A Traceability Strategy for the Organization

Topic 2: Testing Types

Topic 3: The Test Plan and Test Cases

Topic 4: Testing Documentation

Topic 5: The Test Design Specification

Topic 6: Writing Test Cases

Topic 7: Test Metrics

Topic 8: About Defects

Topic 9: Preparing Test Summary Documents

Module 9: Database and Data Flow Modeling

Topic 1: Database Normalization

Topic 2: Data Flow Diagrams

Topic 3: Using Data Flow Diagrams

Topic 4: The ER Diagram