

Professional Certificate in Advanced Requirements Engineering Course

Course Duration : 24 Hours

Course code : ARE-301

1. Course Overview

2. The Professional Certificate in Advanced Requirements Engineering Course is designed for professionals who want to master advanced techniques in requirements gathering, analysis, and management. This course goes beyond the basics and focuses on handling complex project requirements, stakeholder collaboration, and strategic alignment with business goals.

2. What you'll learn?

- Advanced requirements elicitation techniques
- Requirements modeling and documentation strategies
- Stakeholder management and conflict resolution
- Prioritization and decision-making frameworks
- Change management and traceability
- Handling complex and large-scale project requirements

3. Target Audience

- Experienced business analysts
- Project managers and team leads
- Senior IT professionals and developers
- Product owners and consultants
- Professionals involved in complex projects

4. Pre-Requisites

- Basic knowledge of requirements engineering or business analysis
- Experience in IT or project environments (recommended)
- Familiarity with SDLC and Agile methodologies
- Prior certification in BA/RE (preferred but not mandatory)

5. Course Content (Modules)

Module 1: Advanced Requirements Engineering Concepts

- Advanced RE principles and frameworks
- Challenges in complex environments
- Strategic alignment with business goals

Module 2: Advanced Elicitation Techniques

- Workshops, prototyping, and observation
- Handling stakeholder conflicts
- Advanced interviewing techniques

Module 3: Requirements Modeling & Analysis

- UML and advanced modeling techniques
- Business process modeling
- Data modeling basics

Module 4: Requirements Management & Governance

- Change management strategies
- Traceability and impact analysis
- Governance and compliance

Module 5: Case Studies & Practical Implementation

- Real-world scenarios
- Best practices
- Project-based learning

