

Requirement Analysis

 **2 Days**

Program Overview

The aim of this training is to inform all the attendees about the importance of requirement analysis and where it stands in software life cycle, from software engineering perspective. Requirement engineering disciplinary will be explained by introducing analysis, specification and validation phases and the methodologies used, by using practical examples. Use-case based class study will provide a practical experience to all attendees.

Pre-requisites?

Having experience in software development projects



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Who should attend?

- Software Project Managers
- Software Development Engineers
- Software Verification Engineers
- Software Quality Engineers
- Software Configuration Management Specialists

What will you learn?

- Requirement engineering role and significance on software development life cycle
- Disciplinary that constitutes requirement engineering
- The relationship between requirement analysis and design
- Use case analysis methodology
- How to specify good requirements
- Roles and responsibilities of requirement analyst
- Experience on requirement review

Structure and Content

- Why are software development projects failing?
- Software Engineering Perspective
- Briefly About Software Development Life Cycles
- What is Requirements Engineering?
- Who is a Requirements Analyst, what are their Competencies and Responsibilities?
- Viewpoints of CMMI and SPICE (ISO 15504)
- Requirements Discovery Methods
- What is Needs Analysis?
- Requirements Types – Functional and Non-Functional Requirements
- Structural Need Analysis Methods
- Use Case-Based Needs Analysis
- Class Study: Use Case Analysis (Half Day)
- Thin Line Between Analysis and Design
- Requirements Specification – How to Create a Requirement Definition Document
- Requirement Validation Methods – Review

