

REQUIREMENTS ENGINEERING FOR BUSINESS ANALYSTS

“Bridging Business Needs and Technical Solutions through Precise Requirements Engineering”

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

This course equips business analysts with the methodologies and techniques needed to elicit, document, validate, and manage requirements throughout the project lifecycle. Whether you're involved in software development, systems integration, or process improvement, understanding how to engineer effective requirements is essential to delivering solutions that truly meet stakeholder needs.

Objectives

Participants will be able to:

- Understand the principles and scope of requirements engineering
- Identify and engage key stakeholders effectively
- Apply techniques for requirements elicitation, documentation, and validation
- Manage changes and traceability throughout the project lifecycle
- Use industry-standard models like UML and BPMN

Why Attend

- Gain a systematic approach to capturing business needs
- Improve collaboration between business and technical teams
- Reduce rework, scope creep, and project delays
- Build your competency as a strategic business analyst

Target Audience

- Business Analysts
- Systems Analysts
- Requirements Engineers
- Product Owners and Project Managers
- Anyone involved in defining business and system requirements

Individual Benefits

- Learn globally accepted requirements engineering best practices
- Enhance your ability to deliver high-impact business value
- Improve your analytical, modeling, and communication skills
- Strengthen your professional profile and credibility

Organizational Benefits

- Improve solution accuracy and customer satisfaction
- Reduce miscommunication and project rework
- Enhance project delivery speed and success rate
- Strengthen alignment between business strategy and IT delivery

Instructional Methodology

- Instructor-led presentations
- Case studies and industry examples
- Interactive workshops and group activities
- Role-playing and stakeholder simulations
- Hands-on requirements modeling exercises

MAWA EVENTS

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Requirements Engineering

- Module 1 (07:30 – 09:30): Introduction to Requirements Engineering
 - Definition, types, and lifecycle of requirements
 - Role of business analysts in RE
 - Requirements vs specifications
- Module 2 (09:45 – 11:15): Stakeholder Analysis and Engagement
 - Identifying key stakeholders
 - Understanding perspectives and goals
 - Communication techniques
- Module 3 (11:30 – 01:00): Requirements Elicitation Techniques
 - Interviews, workshops, focus groups
 - Observation and document analysis
 - Prototyping and surveys

Day 2: Requirements Documentation and Modeling

- Module 4 (07:30 – 09:30): Structuring Functional and Non-Functional Requirements
 - Clarity, completeness, and testability
 - Use cases and user stories
 - Prioritization techniques (MoSCoW, Kano)
- Module 5 (09:45 – 11:15): Modeling Requirements with UML and BPMN
 - Use case diagrams
 - Process flows
 - State and activity diagrams
- Module 6 (11:30 – 01:00): Creating the Requirements Specification Document
 - Templates and documentation standards
 - Traceability and requirements matrix
 - Validation techniques

Day 3: Managing Requirements Over Time

- Module 7 (07:30 – 09:30): Requirements Validation and Verification
 - Peer reviews, walkthroughs, and inspections
 - Acceptance criteria definition
 - Sign-off process
- Module 8 (09:45 – 11:15): Requirements Change and Version Control
 - Change control boards
 - Impact analysis
 - Configuration management
- Module 9 (11:30 – 01:00): Traceability and Requirements Coverage
 - Building traceability matrices
 - Linking requirements to test cases
 - Auditing for completeness

Day 4: Requirements in Agile and Waterfall Projects

- Module 10 (07:30 – 09:30): Requirements in Waterfall Environments
- BRDs and FRDs
- Stage-gated documentation
- Sign-off and lock-down
- Module 11 (09:45 – 11:15): Requirements in Agile Environments
- Epics, features, stories, and themes
- Role of product owner and backlog grooming
- Continuous requirements refinement
- Module 12 (11:30 – 01:00): Prototyping and Iterative Feedback
- Wireframes and mock-ups
- Interactive prototyping tools
- User testing and refinement cycles

Day 5: Simulation, Review, and Certification

- Module 13 (07:30 – 09:30): End-to-End Requirements Engineering Simulation
- Real-world case study
- Elicit, model, and document requirements
- Peer review and critique
- Module 14 (09:45 – 11:15): Presentation of Requirements Artifacts
- Group presentations
- Stakeholder feedback simulation
- Recommendations for improvement
- Module 15 (11:30 – 01:00): Personal Action Plan & Certification Ceremony
- Self-assessment and skills gap review
- Creating a personal development roadmap
- Certificate of Completion

Certification

Participants will receive a Certificate of Completion in Requirements Engineering for Business Analysts, demonstrating their practical skills in delivering precise and validated requirements for projects.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training

Interested in running this course for your team?

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