



First Select

Quality Assurance

Date	Venues	(\$)Fees	Book your seat
14 Dec -18 Dec 2025	Bahrain	2900	Register Now

OBJECTIVES:

After completing this course, students will be able to:

- Understand the total context of quality
- Integrate quality practices in the SDLC
- Define a quality assurance process
- Introduce best practices that encourage quality
- Understand the concepts of software testing
- Define metrics to measure quality states
- Establish a QA data infrastructure including tools
- Build and contribute to an effective QA team

WHO SHOULD ATTEND?

- Software Process Architects
- QA/Test Managers
- QA User Testers
- Software Developers
- Project Managers
- QA Code Testers

PROGRAM TOPICS:

Module 1: Software Quality:

- Basic concepts of software quality
- Quality attributes
- Case: Microsoft's facets of quality
- Quality Tradeoffs

Module 2: Quality and the Development Life Cycle:

- Inherent consequences of life cycle model on quality
- Benefits of Milestones and V-model
- Best practices that encourage quality
- Role and objectives of QA team in the project
- Achieving quality through cross-team collaboration

Module 3: Quality Assurance Process:

- Mindset to make quality pervasive in organization

- Strategy to plan quality management activities
- Tactics to act on results and events
- QA team's mandates

Module 4: Best Practices:

- Requirements analysis
- Design
- Scheduling and risk management
- Zero-defect development
- Configuration management, builds and checkins
- Testing and defectsgo / nogo meeting

Module 5: Software Testing:

- Faults and failures
- Test objectives and test coverage
- Test pipeline
- Test strategy and test case design

Module 6: Quality Metrics:

- Objective of metrics
- Metrics requirements
- Defect convergence model
- Setting up a metrics program
- Interpreting and reporting

Module 7: QA Infrastructure:


- Quality data management
- Test automation
- CM & software builds
- QA productivity and analysis tools

Module 8: QA Team Management:


- Team organization
- Hiring and training
- Planning and scheduling
- Tracking and reporting
- Team specialization

WORKSHOP STYLE:

This will be a participative workshop with a mix of interactive learning sessions, exercises and discussions aimed to provide maximum impact and learning retention for all delegates.

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