

Value Driven Test Project Estimation

Duration

2 days

Instructor

Robert Sabourin

Class Limit

20 students

Prerequisite

None

Price

On-site

- Please contact SPC for pricing

Public Training

- \$995 (2 days)

*Discount available for early registration

Materials Provided

- Student manual containing the course slides
- Student handouts with class exercises and class studies

Contact US

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In general, our track record in estimating systems projects is poor. A 1996 ComputerWorld study stated that less than 5% of all systems projects deliver on time and on budget and that this track record had not materially improved in 20 years. Estimation is hard work and requires good thinking. Accurate estimating involves time, analytical techniques and good information, which provide a convenient excuse for tolerating sloppy estimates. The objective of this seminar is to strengthen the estimating skills of the participants, so that they can develop realistic, defensible estimates.

The Value Driven Test Project Estimation workshop is delivered to groups of software testing or development professionals, team leads, project and program managers interested in unlocking some of the mysteries behind consistently delivering high quality software on-time, on-quality and on-budget.

The workshop involves several exercises using real projects (customer projects whenever possible) and some practical low cost or free tools to help build test estimates. Techniques are applied during the course. Real examples are used from many relevant contexts to support learning.

The workshop is complemented by follow up coaching as techniques are applied!

Intended Audience

This seminar is intended for systems testers and quality assurance professionals, systems analysts and designers, software engineers and programmers, project leaders, auditors, and users who are involved in systems testing.

Instructor

Robert Sabourin has more than twenty years of management experience, leading teams of software development professionals. A well-respected member of the software engineering community, Robert has managed, trained, mentored, and coached hundreds of top professionals in the field. He frequently speaks at conferences and writes on software engineering, SQA, testing, management, and internationalization. The author of I am a Bug!, the popular software testing children's book, Robert is an adjunct professor of Software Engineering at McGill University.

TRAINING

Value Driven Test Project Estimation

Outline

- Some Philosophy
 - Purpose & Quality
 - Deming (PDCA)
 - Dijkstra (Budgetary)
 - Humphrey (Defect estimation)
 - Parkinson (Work expansion)
 - Workflow
 - People issues in project estimation
- Testing objectives
 - Project types
 - Lifecycle model
 - Traditional
 - Agile
 - Building an inventory of testing ideas
 - Requirements
 - Design
 - Relevant Experience
 - Usage Scenarios
 - Quality factors
 - Min Max Missing – Three M – Test Estimation Technique
 - Influence estimators
 - Value Driven Test Triage
 - Stakeholders value propositions
- Effort Estimation
 - Duration
 - Quality
 - Cost
 - Effort
 - Staffing
 - McConnell Approach
 - Estimate Size
 - Estimate Effort
 - Estimate Schedule
 - Development testing ratios
- Using tools to help estimate software development and testing effort
 - Estimator from www.construx.com
- Using rules of thumb to help estimate software development and testing effort
- Hadden's Size Complexity Technique
- Examples
- Automation
- Training
- Checklists
- Summary

