

EFFECTIVE TEST MANAGEMENT

One-day workshop

Overview

Given that testing resources are scarce, it is important that the testing program is implemented and managed as effectively and efficiently as possible. Often overlooked are the many necessary aspects that make up a successful test program, such as requirements verification, test team responsibilities and roles, automated tools, and nonfunctional testing.

Workshop Objective

The objective is to understand techniques that help in test lifecycle effectively. The intent is understand how to manage test lifecycle phases, managing stakeholder(s) with a clear focus on objective sharper into metrics based test management.

Topics of discussion

Managing test strategy and planning phase:

- High-level estimation
- Detail estimation and planning
- Understand the big picture regarding business strategy
- Managing resource constraints
 - Tracking engineering resource utilization
 - Tracking h/w usage
 - Tracking s/w licenses and versions

Managing System test execution phase:

- Managing input quality to testing phase
- Strategy for continuously improving quality of input to system testing phase
- Level of participation of testing team effectively during unit and integration testing phase
- Analysis of UT and IT defects

Metrics and tools

- Test metrics - what to collect
- Analysis of test metrics for assessment of product quality, process capability and management tracking
- Test cycle report with clear identification of risks and recommended plan to mitigate them

Test automation

Factors to consider for test automation

Test automation tools

Components of a test automation framework

Managing stakeholders:

- Pre and post release defect analysis and conclusions
- Active participation in identifying product, people and process issues and to plan appropriate corrective actions
- Risk assessment and negotiation with all concerned on recommended actions for every release

Managing people:

- Training of test engineers
- Scope change after sufficient experience at each level
- Rotation process to grow horizontally when vertical growth is slow
- Opportunity to increase their visibility in the organization

Workshop benefits

At the end of the workshop, the participants are exposed to key concepts and practices that can be used by most organizations to implement a successful and efficient testing program. Further, Effective Test Management is implemented along the software development life-cycle.

Who should attend?

Software test leads and test managers, development leads and project managers.

Prerequisites

Participants are expected to have performed full time system testing for at least three years.

Delivery method

The workshop consists of classroom discussions and a problem solving/case-study session. It adopts our unique learning model. This enables participants listen to lecture on a topic, introspect using a structured questionnaire, explore the topic - hands-on session, discuss the learning after exploration and finally read the supplemental course notes.