

Software Test Estimation

(One day Workshop)

About the Course

Sometimes, even expert project managers—especially those who are unfamiliar with software testing projects—have real trouble estimating the time and resources to allocate for testing. Careful application of project estimation best practices is a good start, but there's more involved than following the rules of project management.

This course introduces the relationship between the Software Testing Estimation and the Software Development Process.

Purpose and some of the Basic Principles of the Software Test Estimation Process are discussed in brief. A detailed discussion on TPA (Test Function Point Analysis) is taken up. The course also addresses practical issues like how to use TPA in a project.

The theory presented during the course is supported through a practical exercise and case study that demonstrate the concept of Software Testing Estimation.

Workshop objectives

- ❖ The participants will develop a clear understanding of the purpose and parts of the Software Testing Estimation
- ❖ Acquaintance with TPA calculation terms and terminologies
- ❖ Will be able to make TPA analyses of their own
- ❖ To be able to fit TPA at the appropriate place in the SDLC

Workshop Contents

The one day workshop would cover the topics as noted below. There would be exercises at appropriate junction points to elaborate and understand the concepts.

1. Introduction
2. Ways of Black Box Testing
3. TPA Analysis
4. Function Points
5. Application Boundary
6. Elementary Process
7. Dynamic Elementary Processes
8. Concepts of FTR, ILF, EIF, EI, EO, EQ, and GSC
9. Working of TPA
10. Estimation for Black Box Testing and White Testing

11. Doubts Clearing and Closure

Bonus topic:

Case Study would cover salient features discussed throughout the workshop