

Effective Software Test Estimation

(Two day Workshop)

About the Course

This two-day course is essential for those who want to understand how software testing can be estimated using a disciplined and logical approach. Many a times even expert project managers face trouble estimating the time and resources to allocate for testing.

This course covers the 'Function Point Analysis (FPA)' concept, which serves as the basis for the Software Testing Estimation. The course then moves forward to introduce the White Box Test Estimation mechanism. Subsequently, a detailed discussion on Test Point Analysis (TPA) follows together the approach towards Black Box Test Estimation.

The course also addresses practical issues like how to use TPA in a project.

The theory presented during the course is supported through practical exercises and case study that demonstrate the effective use of the concept of Software Test Estimation.

Workshop objectives

- ❖ Learning the concepts and applicability of 'Function Point Analysis (FPA)'
- ❖ Develop an understanding of the purpose and parts of the Software Test Estimation
- ❖ Acquaintance with 'Test Point Analysis (TPA)' calculation terms and terminologies
- ❖ To be able to fit TPA at the appropriate place in the SDLC

Workshop Contents

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

- ✓ Introduction
- ✓ Estimation Concepts
- ✓ Process of Estimation
- ✓ Function Point Counting
 - The FPA Method
 - FP Counting Process
 - Count Unadjusted Data Function Point
 - Count Unadjusted Transaction Function Point
 - Compute Value Adjustment Factor
 - Final Function Point Count

- ✓ Techniques in Testing
- ✓ White Box Test Estimation
- ✓ Test Point Analysis (TPA)
- ✓ Black Box Test Estimation
- ✓ Closure

Note:

Case Study would cover salient features discussed throughout the workshop