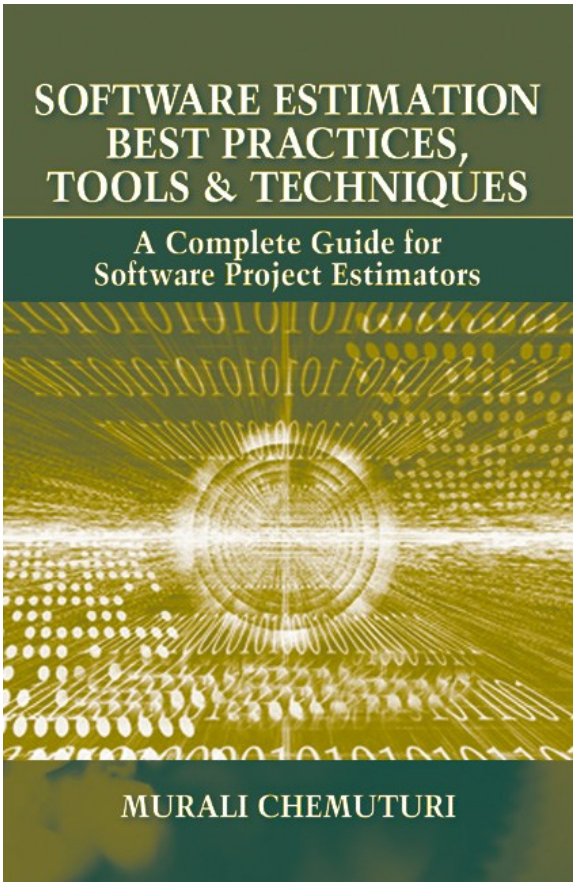
Course Outline for Test Effort Estimation

Concepts - Software estimation, software test effort estimation, approaches to test effort estimation, sizing of software as well as of software testing and presentation of an estimate

Participants will learn - Participants in this program would learn about the information about software estimation in brief, software test effort estimation in detail including the methods of carrying out the software testing effort estimation and presenting the same in an effective manner.

Course Outline -



1. Introduction to software estimation
    a. Definition of Estimation and Test Estimation
    b. Explanation of key terms
    c. Intro to software sizing
    d. Basics of Function Point Analysis and Use Case Point Estimation
    e. Common pitfalls in estimation
    f. Good practices in estimation
2. Test Effort Estimation Approaches
    a. Introduction to Test Estimation
    b. Conversion from software size to test size
    c. Test Case Enumeration
    d. Task based Estimation
    e. Delphi model
3. Test Size Estimation
    a. Objectives of testing
    b. Types of testing
    c. What is minimum testing
    d. Test Unit definition
    e. Test Units estimation from software size
    f. Testing Effort from Test Units
4. Schedule
    a. Introduction to PERT/CPM
    b. Impact of fragmentation on effort estimation
5. Presenting an estimate
    a. Introduction / project overview
    b. Scope definition
    c. Testing Size
    d. Conversion to effort
    e. Schedule
    f. Assumptions
    g. Inclusions

   h. Exclusions
6. Discussion, questions and answers