

Software Practices Immersion – 1 day Boot Camp

SOFTWARE ESTIMATION TECHNIQUES

(This Program is Registered with PMI, USA and entitles PMPs to claim a credit of 7 PDUs online)

Program Objectives

A comprehensive case-study driven workshop covering most of the important estimation methodologies used in Software Estimation. Concepts of Critical Chain and TOC in schedule estimation have been included.

Agile COCOMO, Proxy Based Estimation, Wide band Delphi, Function Point Analysis and popular FP Variants will be introduced. Participants will learn to choose the right estimation method that best suits their domain and project context.

Participant Profile

Project Managers, Project Leaders, Pre-Sales Team, Business Development Managers, Process Group Members, Metrics Team Members, Senior Software Project Team Members

Program Schedule

Start Time: 9.30 am End Time: 5.30 pm
2 coffee breaks of 15 mts each and a lunch break of 45 mts

Program Coverage

- Overview to Software Estimation
- Estimation Techniques
- Estimation Principles and the Cone of Uncertainties
- Evaluating the Scope of the Project
- Evaluating the Complexities, Risks and Project Team Capabilities
- Estimation Methods: Expert Judgment, Analogy, Algorithmic Models and Pricing to Win Models
- Software Size Estimation
- Software Effort Estimation
- Software Cost Estimation
- Software Time Estimation
- Strategies used in Project Estimation
- Creating the Project Schedule, Plan and Budgets
- Creating Estimation Metrics for tracking and control
- Estimation in TOC and CCPM
- Wide Band Delphi, COCOMO, Agile COCOMO and Proxy Based Estimation
- Estimation Knowledge Management

Program Faculty

This Boot Camp is moderated by our Managing Director, S.M.Kripanidhi. Kripanidhi has over 29 yrs experience, the last 20 years in the IT Industry. He has managed and executed over 35 software projects of size ranging from 20 to 200 man-months and has successfully managed the design and development of 6 software products.

In the last 8 years, he has conducted over 100 open workshops, over 500 in-house programs on Software Project Management, Agile Methodologies, Software Requirements Engineering, Software Estimation and other Software Engineering and System Engineering Disciplines

He has been involved in extensive research and practice of various Agile Methodologies and coaches software teams implement these practices. Kripanidhi has designed, developed and delivered customized programs for Centre for Technical Training (CTT), Philips Research Labs, Eindhoven, The Netherlands for their software professionals and technical managers worldwide. He is also an accredited trainer for LogicaCMG to deliver their proprietary project planning and tracking module for their project managers worldwide. Kripanidhi is a contributing author to the Agile Product and Project Management Centre at Cutter Consortium, USA (www.cutter.com)

Kripanidhi is a Certified Scum Master, Certified Lead Assessor: ISO-9000 Quality Systems (1993), Certified Management Auditor (1990), Certified Business Analyst (1991) and a Trained Trainer (1989)