

## Software Practices Immersion – 1 day Boot Camp

# SOFTWARE DEFECT MANAGEMENT STRATEGIES

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

### Program Objectives

Participants will learn the techniques and tools that can be used to anticipate, identify, avoid, preempt and correct different types of defects in software development.

Participants will learn quality assurance techniques to prevent defects, identify defects early through both static and dynamic validation methods, learn agile inspection methods and build a systematic set of practices to manage software defects. The correlation between software defects and software economics will be highlighted in the program.

### Participant Profile

Analysts, Architects, Project Team Members, Testing Team Members, Quality Group Members, Project Leads, Members of the Process Group

### 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

- Understanding Software Defects
- Software Economics and Defects
- Types of Software Defects, 5G Model for ensuring Software Quality
- Causes for Software Defects
- Defect Prevention Strategies – concepts of Lean Engineering
- Defect Identification Strategies – static and dynamic testing practices
- Defect Management Strategies-tracking defect scenarios
- Common areas of Default
- Critical areas of Default
- Defect Risk Database – learning from previous experiences on defects
- Software Inspections, Agile Inspections
- Unit Testing, Functional Testing and Regression Testing
- Testing for Performance Requirements
- Defect Management, Defect Metrics
- Quantifying Cost of Defects

### 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](http://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)