

Training Program

**EFFECTIVE SOFTWARE
REVIEW**



Introduction

Overview

This is a two day, hands on workshop on the software inspection methods (especially focusing on Fagan Inspection). All seven steps of inspection will be covered in depth. The participants shall bring a live (un-reviewed) work product (Requirements Specification, Software design Document, Project Plan, code, Test Plans, etc.). All the input documents used to prepare the work product (say, if we are going to review the software design document, then the requirements specification would be the input document) also needs to be brought to the workshop. The best companies in the world find and fix between 75 to 90% of defects before testing, through the implementation of Fagan Inspection

Duration

2 – days workshop

Program Objectives

Learning Objective

At the end of the training, participants will understand the following:

- ❖ Difference between the Software Inspection methods and how to choose the right method for different work products
- ❖ How Fagan Inspection work to improve quality and reduce overall cycle time of the project
- ❖ How to achieve an overall defect containment efficiency of 99% or better
- ❖ How the ROI from inspections can reach 10:1
- ❖ How to prepare the inspection team for the task How to effectively lead an inspection meeting How to follow-up effectively after the meeting How to handle a troublesome inspector
- ❖ How to collect metrics to monitor the effectiveness of inspections
- ❖ AND you will actually participate in a live Software Inspection workshop!

Target Audience

This course is intended for those as below:

- ❖ Software Development Manager
- ❖ Project Manager
- ❖ Business Analyst
- ❖ Software Designer
- ❖ Software Engineer
- ❖ System Architect
- ❖ Technical Architect

Training Content

Module 1: Introduction to Software Review

- ❖ Why study software review?
- ❖ The History of software review
- ❖ The advantage of software review
- ❖ Review myths

Module 4: Inspection Teams

- ❖ Moderator role and Responsibilities
- ❖ Author role and Responsibilities
- ❖ Reader role and Responsibilities
- ❖ Inspector role and Responsibilities
- ❖ Recorder role and Responsibilities

Module 2: Offline Review and Walkthrough

- ❖ Guideline for reviews
- ❖ Introduction to Offline review
- ❖ Offline review process
- ❖ Problems with offline reviews
- ❖ Introduction to Walkthrough
- ❖ Walkthrough process
- ❖ Advantages and disadvantages of Walkthrough

Module 5: Inspection Process

- ❖ Planning
- ❖ Overview Meeting
- ❖ Preparation
- ❖ Defect Logging Meeting
- ❖ Causal Analysis Meeting
- ❖ Rework
- ❖ Verification
- ❖ Continuous Process Improvement










Module 3: Introduction to Fagan Inspection Method

- ❖ What is Inspection?
- ❖ Benefits of Inspection
- ❖ Ground Rules
- ❖ Inspection Guidelines
- ❖ Advantages of Inspection
- ❖ Disadvantage of Inspection

Module 6: Inspection Conclusion

- ❖ Some common Misconceptions
- ❖ Inspection Metrics
- ❖ How to make Inspections happen
- ❖ Implementing a successful software inspection program

Key Features

-  16 Hours of high quality learning
-  Quizzes in the end of each chapter
-  2 Real life exercises and case study
-  Learn from experience and passionate trainers
-  Quick reference card, toolkits
-  Course completion exams
-  Apply the knowledge and technique to handle the role
-  Invited to our professional community
-  Certificate of Completion

