



Software Test Engineer

Course Curriculum

(Duration: 20 Hrs Lectures.10 Hrs Home Assignments / Practicals)

Software Testing

- ✓ Software Testing Principles
- ✓ Software Development Life Cycle
- ✓ Software Testing Life Cycle
- ✓ Software Testing Types
- ✓ QA/QC
- ✓ V&V

SDLC models

- ✓ Waterfall model
- ✓ Spiral Model
- ✓ Hybrid Model
- ✓ Prototype Model
- ✓ V-model

Types of Testing

- ✓ Types of Manual Testing
 - White Box Testing
 - Black Box Testing
 - Grey Box Testing
- ✓ **Introduction to Automation Testing types**
 - UI Automation
 - API Test Automation
 - Performance Automation
 - Automation through Utility writing

Test case development

- ✓ Requirement Understanding
- ✓ Testing Documentation
- ✓ Test Scenario
- ✓ Test Case
- ✓ Run Plan

Testing Techniques

- ✓ Error Guessing
- ✓ Equivalence Portioning
- ✓ Boundary Value analysis

Test Management

- ✓ Test Strategy
- ✓ Test Plan
- ✓ Test case review process
- ✓ Requirement Traceability Matrix

Defect Tracking

- ✓ Bug in Software Testing
- ✓ Bug Life cycle
- ✓ Severity & Priority
- ✓ Test Environment
- ✓ Defect Management Process
- ✓ Defect Analysis

More Testing Types

Test Reporting

- Different Reporting
 - Daily Status Reporting
 - Weekly Status Reporting
 - Timebound Reporting
 - Escalations

Trouble Shooting

Tester Qualities

MCQs

Interview Preparation

Agile and Agile Testing

Basic Cloud Computing
