

MANUAL TESTING COURSE CONTENT

- ❖ **INTRODUCTION TO TESTING:**
 - Brief History of Testing
 - Testing Opportunities
 - Testing Principles
- ❖ **SOFTWARE QUALITY:**
- ❖ **SOFTWARE TESTING DEFINITION:**
 - Verification
 - Validation
 - Quality Assurance
 - Quality Control
 - Static Testing
 - Dynamic Testing
 - Software Quality Assurance
 - Differences Between Verification and Validation
 - Differences Between QA and QC
 - Differences Between Static Testing and Dynamic Testing
- ❖ **SOFTWARE DEVELOPMENT LIFE CYCLE:**
- ❖ **DIFFERENT LIFE CYCLE MODELS:**
 - Waterfall Model
 - V – Model
 - Fish Bone Model
 - A Agile Methodology
 - Spiral Model
 - RAD Model
 - Prototype Model
 - PET Model
- ❖ **TESTING TYPES:**
 - Black Box Testing
 - White Box Testing
 - Graybox Testing
 - Acceptance Testing
- ❖ **TESTING TECHNIQUES:**
 - Boundary Value Analysis
 - Equivalent Class Partition
 - Error Guessing
 - Partition Table
- ❖ **TEST DESIGN:**
 - Test Methodology
 - Test Scenarios
 - Test Cases
 - Test Case Template

- Types of Test Cases
- Difference Between Test Scenario and Test Case
- Creating Test Cases for Sample Application

❖ **DIFFERENT TESTING DEFINITIONS:**

- Build Acceptance Testing

❖ **SMOKE TESTING:**

Sanity Testing:

- Regression Testing
- Re-Testing
- Ad-Hoc Testing
- Monkey Testing
- Gorilla Testing
- More Testing Definitions

❖ **BUG REPORTING AND TRACKING:**

Error, Defect, Bug and CR

- Bug Reporting Approach
- Bug Reporting Steps
- Real Time Scenarios for Severity and Priority
- Bug Life Cycle

❖ **TEST MANAGEMENT:**

- Test Policy
- Test Strategy
- Test Methodology
- Test Plan
- Testing Process
- Levels of Testing

❖ **TRACEABILITY MATRIX:**

❖ **TEST RESPONSIBILITY MATRIX:**

❖ **TESTING METRICS:**

- Test Management Metrics
- Quality Assessment Metrics

❖ **REVIEWS:**

- Reviews
- Walk throws,
- Inspections
- Desk Checking

❖ **TESTING STANDARDS:**

- ISO
- CMMI and PCMMI
- Six Sigma