



# PANYA TECHNOLOGIES

Technology to Live...

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## Manual Testing course contents

Duration: 50 Hours

### 1) Introduction

1. Software Testing
2. Necessary for testing
3. SDLC

### 2) SDLC Models

1. Waterfall model
2. Prototype model
3. V-Model
4. Agile Model

### 3) Testing-Methods

1. White Box Testing
2. Black Box testing

### 4) Gray Box testing Types of Testing (Black Box Testing)

1. Functional Testing
2. Integration Testing
3. System Testing
4. Acceptance Testing
5. Sanity Testing
6. Ad-hoc Testing

### 5) Non Functional Testing:

1. Compatibility Testing
2. Performance Testing
3. Load Testing
4. Volume Testing
5. Stress Testing
6. Security Testing

### 6) Testing Specialized

1. SOA testing
2. Database testing

### 7) Test Cases Design techniques

1. Error guessing
2. Equivalence Partition
3. Boundary Value Analysis
4. Domain Based Test Design

### 8) Test case Creation

- a. Test case Id
- b. Test steps
- c. Expected results

### 9) Reviews

1. Walkthroughs
2. Inspection
3. Peer Review

### 10) Test Life Cycle

1. Requirements
2. System study
3. Test plan
4. Test Cases
5. Traceability Matrix
6. Test case execution
7. Defect tracking
8. Test Summary Report

### 11) Test Plan Creation

1. Need of a Test plan
2. Test plan template
3. Sample Test plan

### 12) Checklists

1. Need of checklists
2. Creation of checklists

### 13) Defect tracking

1. Defect life cycle
2. Severity, priority
3. Defect tracking Tools
4. Defect report

5. Defect Tracking Sheet

**14) Hands on (subject to availability)**

1. Web based application Standalone

## QTP

Duration: 60 Hours

**Pre-requisite:** *Knowledge in manual testing*

### **Introduction to Automation**

#### **VB Script (Basic)**

1. Data Types
2. Operators
3. Built-in functions
  - Conversion functions
  - Verification functions
  - Date functions
  - Time functions
4. Statements
  - Conditional
  - Select Case
5. Loops
6. Arrays
7. String functions
8. Procedures
  - Sub procedures
  - Function procedures

7. -User defined
8. -Built-in
9. Object identification
10. Actions
11. Step generator
12. Data Driven Testing
13. Parameterization
14. -Datatable
15. -Environment variables
16. Descriptive programming
17. Regular expression
18. Library functions
19. QTP AOM
20. Virtual mappings
21. Smart identification
22. Recovery scenarios
23. Database
24. Framework design & development

#### **VB Script (Advance)**

1. FileSystemObject
2. ExcelApplication
3. InternetExplorer
1. Introduction
2. Recording modes
3. Object Repository
  - Local OR
  - Shared OR
4. Reporter class
5. Object Spy
6. Checkpoints

