

# Manual Testing Curriculum

## INTRODUCTION TO SQT INTRODUCTION

- History of software Engineering
- Software Testing – The Basics
- What is Software Testing?
- Why we are doing testing?
- How to perform the Testing?
- Benefits of testing Terms used in Software Testing-Defect, bug, Error, Failure, Fault ,

## Software Development Life cycle (SDLC) Software Engineering Methodologies/Models

- Waterfall Model
- Prototype Model
- Incremental Model
- Iterative Model
- Spiral Model
- V -Model
- Agile

## Quality

- Quality Assurance and Quality Control
- Verification And Validation

## Software Testing Methodologies/Approaches

- White Box
- Black Box
- Gray Box

## Level Of Testing

- Unit Testing
- Integration Testing
- System Testing
- UAT

## Categories of Test Design Technique Static Testing Technique

- Walkthroughs
- Inspection
- Reviews

#### **Dynamic Testing Technique**

- Structure Based
- Experienced Based
- Specification based

#### **Black Box testing (Optimizing Technique)**

- Boundary Value Analysis
- Equivalent Class Partition
- Decision Table
- Use Case design Technique
- Error Guessing

#### **Type Of Testing**

- Smoke testing
- Sanity testing
- Exploratory Testing
- Ad-hock Testing
- Monkey Testing
- End to End testing
- Re-Testing Regression Testing
- GUI testing Security Testing
- Performance Testing
- Usability Testing

#### **Software Testing Life Cycle**

##### **Test Plan**

##### **Bug/Defect Management**

- How to log a Bug?
- Bug Life Cycle

##### **Introduction Of Web-based Testing**

#### **Real Time Implementation Of Testing Projects and Domain Knowledge Session**



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