Course: Software Testing

Duration: 60 Hrs (Changeable) | Fees: Individual / Batch

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Syllabus on the Next Page ..

✳ Manual Testing Syllabus

MODULE 1 - Introduction to Manual Testing

✳ What is Software testing?

✳ Importance of Software testing

✳ Basic terminology of Software testing

✳ Difference between Manual and Automated Testing

✳ Software testingPrinciples

✳ Levels of Testing

MODULE 2 â€" SDLC and STLC

✳ Software development life cycle

✳ Requirements phase

✳ Analysis phase

✳ Design phase

✳ Coding phase

✳ Testing phase

✳ Release and maintenance phase

✳ Software Development life cycle models

✳ Waterfall model

✳ Agile model

✳ Spiral model

✳ V model

✳ Software Testing Life Cycle

✳ Testing Constraints

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MODULE 3 â€" Static and Dynamic Testing

* Static Test Design

* Formal review

* Informal reviews

* Walkthroughs

* Technical review

* Inspection

* Dynamic test design

* White-box testing

* White-box testing technique

* Black box testing

* Black box testing technique

* Grey box testing

MODULE 4 â€" Test Plan and Test Case Documents

* Test plan document

* Scope of document

* Objective of testing

* Customisation of Test Plan document

* Requirement Traceability Matrix

* Importance of Test case

* Test case template

* Test Scenario

* Test Strategy

MODULE 5 – Types of Testing

* Functional Testing Types

* Sanity Testing

* Smoke Testing

* Retesting

* Regression testing

* Adhoc testing and types

* UI testing

* Positive Testing

* Negative Testing

* Alpha and Beta Testing

* Non-functional Testing

* Performance testing

* Load testing

* Stress Testing

* Volume Testing

* Security testing

* Portability testing

MODULE 6 – Bug Report and Test Report Documents

* What is a bug?

* Bug life cycle

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* Severity

* Priority

* Types of Bugs

* Bug Report Template

* Metric types and calculation

* Test Report Template

* Automation Testing Syllabus

MODULE 1 - SQL

* Sql introduction

* Sql Datatypes Sql basics-DDL

* DML,DCL,Comparison Operators

* ConstraintsAggregate

* Functions

* Practice questions

* Joins

* Stored Procedures

* Practice Question

* Views

* Group By

* Having

* Order By

* Clauses Practice Question

MODULE 2 - JAVA

✳ Introduction to the course

✳ Java Installation

✳ Features and JDK

✳ First Sample Program Data Types and Variables

✳ Operators Control Statements

✳ Loops Scanner

✳ Array Oops - Polymophism (Method overloading)

✳ Constructor Overloading

✳ Types of Inheritance and Method Overriding

✳ This and Super keyword

✳ final and static

✳ keyword

✳ Abstraction, Encapsulation, Exception, Thread

✳ Thread Synchronization

✳ Events Collection - List & Set

✳ Collection - Map & Queue Exam - Java

MODULE 3 - Selenium IDE

✳ Selenium Introduction

✳ IDE Features

✳ creating script Using IDE

✳ Recording

* Selenese

* Assert and verify Export

* Testcase

MODULE 4 - Selenium Webdriver

* Selenium Webdriver Introduction

* Webdriver manager

* Junit

* Locators

* Screenshot in selenium

* Handling Alerts

* BrokenLinks

* Testng and its Features

* Waits in Selenium

* Javascript Executor in Selenium

* Navigation Commands

* Dropdown handling using select class

* Button Text verification

* Radio buttons Actions class

* copy paste using action class

* draganddrop program Double

* click and right click using Action class

* Mouse Hover Program

* File upload

* File upload using AUTO IT and Robot class

* Cross browser Testing

* Handling multiple windows and tabs

* Handle pops in Chrome

* Datepicker

* DataDrivenTesting

* Extended Reports

* POM Design Pattern Frameworks

* Datadriven framework Maven

* Importance of maven

* Create Project in Maven

* Project

MODULE 5 - JMeter

* Introduction to Jmeter

* overview of performance testing

* Jmeter workflow

* components of Jmeter

* Building a web Test plan

* Report generation

* Execution in NON-GUI mode Recording in Jmeter

* Blaze meter plugin Assertions

✳ Timers

✳ CSV Data set configuration

✳ Correlation

MODULE 6 - POSTMAN

✳ Introduction to Postman

✳ API testing

✳ Download and install postman

✳ Collections

✳ Request methods

✳ Collection Runner

✳ Test script

✳ Variables

✳ Data driven testing

✳ API fetching

✳ JsonPathfinder

✳ Openweathermap API

✳ Newman

MODULE 7 - JIRA

✳ Agile methodology

✳ scrum

✳ Introduction to Jira

✳ Jira issue types

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✳ How to create an Epic/User stories in Jira

✳ Creating sprints in Jira

✳ Sprint lifecylce in Jira

✳ Backlogs

✳ Creating bugs

✳ Write Test Cases in Jira with Zephyr plugin

✳ Jira project flow

MODULE 8 - GIR & GITH

✳ Introduction

✳ Git installation

✳ Repository creation in GitHub

✳ Commands in git

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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