QuickXpert Infotech

ISO 9001:2015 Certified

Adv. Diploma
in Software Testing

About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job-oriented training programs to   both students & corporate from experts in classroom & online training format. Our wide range of courses blended by our placement process have helped students from both IT & non-IT fields to make career in IT Industry!

➢ **IT Courses - 1000+ Companies - 1000s Trained – Since 2014!**

Courses Offered – JAVA, Dot Net, Software Testing, Web Development, Oracle Developer & DBA, MySQL, SQL Server, Digital Marketing, Python, Data Science & A.I., Data Analytics, Tableau, Power BI, R Programming, Hadoop, Android, Flutter, Salesforce, ServiceNow etc. please visit website for details.

Our Live Projects – MarriageOnix.com, BiodataKing, CRM Support etc.

About Software Testing

In today's world Customer Satisfaction is primary need of every industry whether it is websites or mobile application. There are millions of Websites and APPs available on internet and all of those want to provide defect free applications to their customers. So here Software Testers come into picture to test applications both manually and programmatically (automated) to provide a defect free best user experience to Customers. Hence it is EVERN GREEN field in IT industry.

Who Can Learn?

(Anyone) Fresher or Experienced candidates either from IT or non-IT. We will teach you from basics so need to worry even if you are from non-IT.

Tools / Technologies You Will Learn

- ❖ **Manual Testing**
- ❖ **MySQL**
- ❖ **Bugzilla**
- ❖ **ISTQB Preparation**
- ❖ **Grammerly**
- ❖ **Ecllipse**
- ❖ **Core Java**
- ❖ **Apache POI**
- ❖ **MAVEN**
- ❖ **Automation Testing**
- ❖ **Selenium**
- ❖ **Jmeter**
- ❖ **TestNG**
- ❖ **Automation Frameworks**
- ❖ **Cucumber Framework etc.**
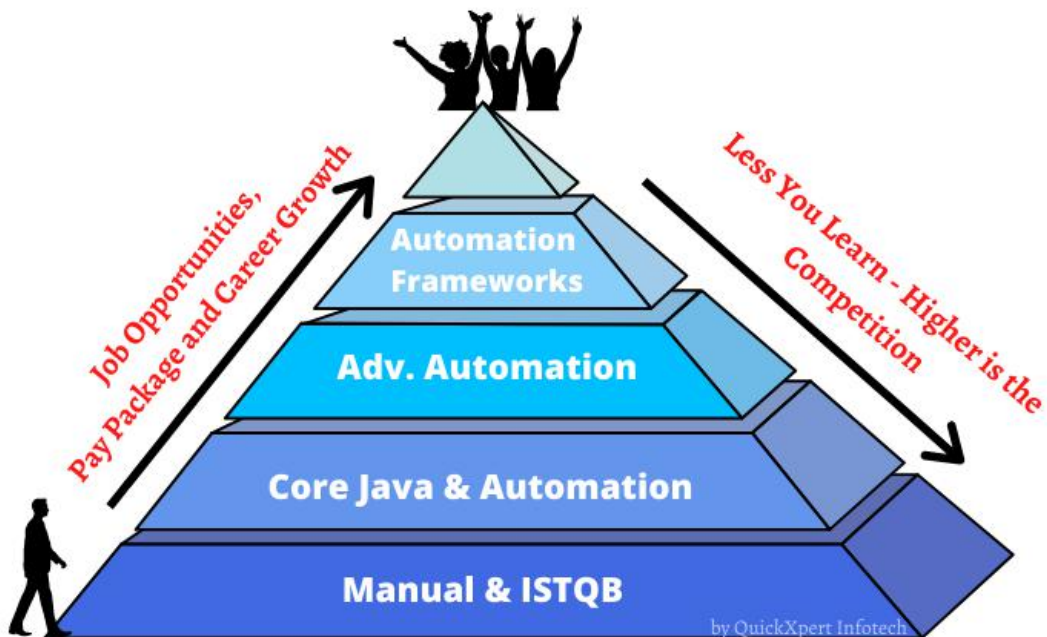
Duration & Fees

- ❖ **3.5 months**

Job Roles Targeted

- ❖ **Test Engineer**
- ❖ **Software Tester**
- ❖ **Automation Tester**
- ❖ **Software Testing Professional etc.**

Job Opportunities

- ❖ **As per Latest Industry & Job Trends. Can Check on Naukri.com**

About Our Adv. Diploma Training Program

Course Breakup

- ❖ Manual Testing + Live Project - 1 to 1.5 months
- ❖ Automation & Adv. Automation Testing – 2 to 2.5 months
- ❖ **Adv. Diploma in Software Testing** + Live Projects – 3 to 3.5 months

Manual Testing Syllabus

❖ **Testing Fundamentals**

- Quality Control
- Quality Assurance
- Functional Tests

❖ **Non Functional Tests**

- Performance Testing
- Usability Testing
- Reliability Testing
- Security Testing

❖ **Life Cycles**

- SDLC - Software Development Life Cycle
- STLC - Software Testing life Cycle
- Difference between SDLC & STLC

❖ **Testing Types**

- Black Box Testing
- White Box Testing

❖ **Software Testing Models**

- WaterFall Model
- V Model
- Agile Methodology
- Iterative Model
- RAD Model
- Agile Testing
- Advantages of Models
- Dis-advantages of Models

❖ Test Cases

- Understanding Project
- Writing Test Cases in Excel
- Executing Test Cases

❖ Test Design Techniques

- Static testing
- Review Process
- Roles and Responsibilities of Review Process
- Test Case Preparation
- Boundary Value Analysis
- Equivalence Partitioning
- Software Verification
- Software Validation
- Stress Testing
- Load Testing
- Endurance Testing
- Testing Metrics

❖ Bug Life Cycle

❖ Regression Testing

- Addition of Modules
- Testing on Addition of Modules

❖ UAT - User Acceptance Testing

❖ Alpha Testing

❖ Beta Testing

❖ Test Management
- Risk Analysis

❖ Database Testing

- SQL Concepts
- Database Testing Process
- SQL Queries
- Select
- Insert
- Update
- Delete
- ACID Properties

❖ ISTQB (Foundation Level) Certification Preparation

- Entire Syllabus of ISTQB will be covered
- Sample MCQs questions and answer PDF will be provided
- Practise Test Session will be conducted

❖ Bugzilla Defect Management Tool

- Introduction
- Installation & Configuration
- Creating Account
- Creating Project
- Writing Test Cases
- File a Bug
- Generate Reports

❖ Live Projects on

- Android APP
- Website
- Web Application

Automation Testing

❖ **Automation Concepts**

- Description
- Definition
- Functionalities
- Regression Testing

❖ **Java Sessions**

- Control Structures
- If Else, For Structure Looping
- While Looping
- Do-While Looping
- Object Creation
- Methods Creation
- Arrays and Strings
- Packages
- OOPs Concepts
- Java Beans
- Array List
- JDBC Connection - covered in Adv. Automation Testing
- Exception Handling - covered in Adv. Automation Testing
- File IO - covered in Adv. Automation Testing

❖ **Selenium IDE**

- Setup
- Record / PlayBack
- Manual Editing
- Autoscript - using Commands

❖ **Selenium Web Driver**

- Package API Usage
- Web Driver Commands
- Operations
- Web Driver Scripting

- Regression Testing
- Selenium Remote Control
- Selenium Grid
- Javascript Executor
- Implicit & Explicit Waits
- Selenium Exceptions

❖ Scenario Based Automation

- Validating Forms
- Validating Application Flow
- Logging Defects

❖ Test-NG Scripting

- Introduction
- Data Providers
- Setting Priority Level on Methods
- Enable & Disable Methods using Test NG
- POM - Page Object Model

❖ JMeter Performance Testing Tool

- Introduction
- Where it is required ?
- Installation
- Building Test Plans
- Creating & Assigning Threads in Thread Group
- Executing Test Plans through HTTP Request
- Assertions
- JDBC Connection Configuration
- JDBC Request
- Generating test report of Database

❖ Cross Browser Testing
- Overview
- Using TestNG to Test Multiple Browsers in Same Program e.g.Mozilla Firefox,Chrome etc.

❖ Parallel Testing

❖ Live Project

Advanced Automation Testing

❖ Automation Frameworks in Selenium

- Introduction
- Excel Driven
    - o using Apache POI API Libraries in Java
    - o Using CSV files - requires Java File IO
- Data Driven
    - o using MySQL Server
- Generating Extent Defect Report
    - o using Extent Report API Libraries in Java

❖ Maven Build

- Introduction
- Download and install Maven plugins
- Maven Repository
- Add dependencies in pom file
- Maven Integration with Selenium
    - o Write & Run Selenium Test
    - o Generate Maven Reports

❖ Cucumber Framework

- Introduction
- Overview of BDD Framework
- Downloading and installing cucumber plugins
- Creating Feature file
- Write & Run Glerkin Test in cucumber
- Given-When-Then Structure
- Implementing Scenarios Steps
- Creating Step Defination
- Integrating Selenium and Step Defination
- Integrating Junit with Cucumber
    - o Overview of JUnit
    - o Using Junit Test Runner
    - o Junit Test Suite
- Generate Test Reports
    - o Default Cucumber Report
    - o Extent Report

❖ **Best Practice**

❖ **Live Projects on**
- Website
- Web Application

Interview Preparation

- Throughout training program
- Mock Interviews at end of Training Program
- Resume Preparation

Our Benefits

- ❖ **Training from Experts**

- ❖ **Installments Available**

- ❖ **Job Oriented Course**

- ❖ **80% Practicals -** Learn from Scratch

- ❖ **Professional Notes & Study Material Provided**

- ❖ **Certification Course**
  - ◦ You will get Course Completion ISO Certificate from our Institute

- ❖ **Live Projects / Case Studies Covered**

- ❖ **Dedicated Placement Team**

- ❖ **Placements**
  - ◦ Dedicated HR Team for Placements, Overall 1000+ Companies for Placements, Check Recent Placed Students on Site / FB / Google Page

- ❖ **Personal Mentorship**
  - ◦ Limited Seats per batch for Personal Mentorship

- ❖ **Interview Preparation & Mock Interviews**

- ❖ **Resume Building etc.**

  Please visit site for more info

Our 5 Steps Process for Success

Contact Us

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Inquire Now !

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