

PG 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 both classroom & online training format. Our wide range of courses blended by our placement assistance process have helped our students from both IT & non IT fields to make career in IT Industry.

Overall 30+ Courses - 700+ Companies - 1000s Trained !

Courses Offered - SAP modules, JAVA, Dot Net, Software Testing, Web Development, Oracle, Digital Marketing, Python, Data Science & A.I., Salesforce, Tableau, Power BI, Android, Hybrid Apps, R, Hadoop etc. please visit website for details.

Our Live Projects - BiodataKing, TeriMeriChoice, theVibrantBirdie 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 programatically (automated) to provide a defect free best user experience to Customers. Hence it is EVERN GREEN field in IT industry.

About our Training Program

PG Diploma in Software Testing is for most the BEST & Most Advanced Training Program available in industry today in Software Testing. You will learn all three aspects of software testing v.i.z Website Testing, Web App Testing & Mobile App Testing using Both Manual & Automated Process using Both Traditional & Latest Tools & Technologies with Internship. Finally it will help you get Quick Jobs with Better Career Prospects in IT Industry.

Who Can Learn?

Fresher or Experienced candidates from both IT or non IT background looking for Jobs in IT Industry or who are looking to upgrade their skills.

Any Pre-requisites ?

None ! As we teach right from Scratch.

Duration

6 months

Enroll in our PG Program > Get FLOODED With Job Opportunities !

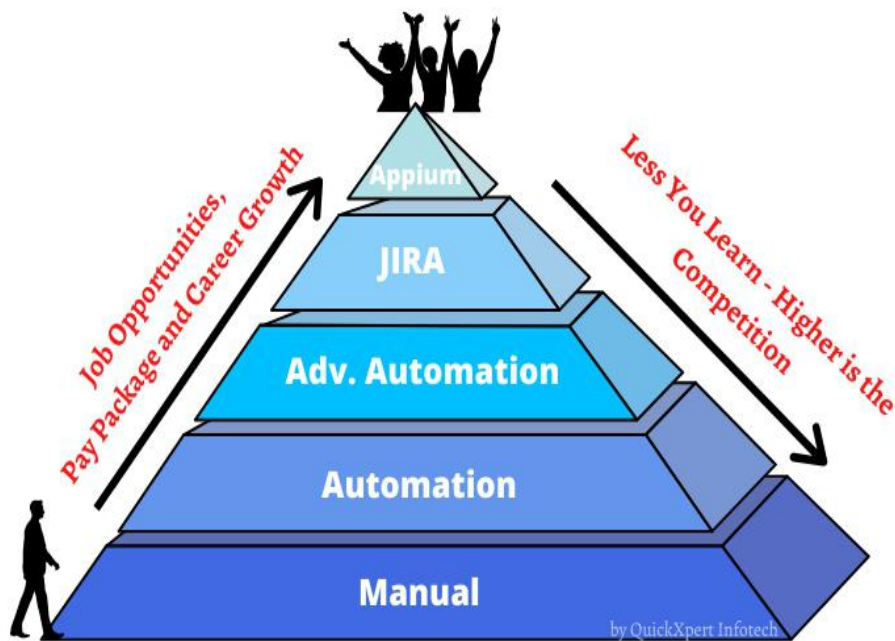
Free Demo / Free Lecture / Customized Training Program Available.

Tools You Will Learn



Software Testing Job Opportunities

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



About Our PG Program

Course Breakup

- ❖ Manual Testing + Project - 1.5 months
- ❖ Automation Testing with Core Java + Project - 2 months
- ❖ Adv. Automation Testing with Java APIs + Project - 3 weeks to 1 month
- ❖ **Adv. Diploma in Software Testing** + Projects - 4 months
- ❖ JIRA (Industry Leader Tool in Software Testing) - 3 weeks to 1 month
- ❖ Appium (Industry Leader Tool in Mobile App Automated Testing) - 1 month
- ❖ **Full PG Program - 6 months**
- ❖ **OR Create your own customized training package**

Syllabus as Mentioned Below :

Manual Testing

❖ 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
 - using Apache POI API Libraries in Java
 - Using CSV files - requires Java File IO
- Data Driven
 - using MySQL Server
- Generating Extent Defect Report
 - 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
 - Write & Run Selenium Test
 - Generate Maven Reports

❖ SEO Testing

- Testing Valid & Broken Links
- Links have anchor tags
- Url domain name check etc.

❖ Cucumber Framework

- Introduction
- Overview of BDD Framework
- Downloading and installing cucumber plugins
- Creating Feature file
- Write & Run Gherkin Test in cucumber
- Given-When-Then Structure
- Implementing Scenarios Steps
- Creating Step Definition

- Integrating Selenium and Step Definition
- Integrating Junit with Cucumber
 - Overview of JUnit
 - Using Junit Test Runner
 - Junit Test Suite
- Generate Test Reports
 - Default Cucumber Report
 - Extent Report

❖ Best Practice

❖ Live Projects on

- Website
- Web Application

Jira

❖ Industry Leader Tool for Software Testing

❖ Jira Concepts

- Introduction to Jira Atlassian
- Definition
- Functionalities
- Jira Software Product: Project and Issue tracking
- Agile Framework & Manifesto

❖ Jira Atlassian Environment Setup

- Create Jira Atlassian Software Account
- Creating Project and enabling Defects/Issue Management
- Adding users to project

❖ Scrum Master

- Introduction to Scrum Master
- Creating Project using Scrum Template
- Scrum Events and Artifact

- Sprint Planning
- Scrum Roles
- Stand-ups
- Iteration/Sprint Planning Meeting
- Retrospectives
- Distributed Scrum

❖ **Classic Project**

- Introduction to classic project
- Backlogs:-How to create backlogs
- Sprint :- Creating Sprint
- Creating issues in backlogs
- Adding Backlog issues to Sprint
- TODO - PROGRESS- DONE
- Create Component
- Assign component to assignee lead
- Add Backlog issue in component
- Delete component from project
- Walk-through and Build Process

❖ **Next Gen Project**

- Introduction to Next Gen Project
- Enable/Create Roadmap
- Setting deadlines of issues using Roadmap
- Assign Task to Assigner via Roadmap
- Adding TODO - PROGRESS -DONE status to Roadmap
- Sharing Roadmap details to all team members
- Exporting Roadmap deadlines
- Create Backlogs in Next Gen Project
- Create Sprint - Add issues
- Next Gen Board - TODO,Progress,Done

❖ **Dashboard of Jira Software**

- Dashboard Overview
- Dashboard Gadgets
- Default Dashboard
- Create Sample Dashboard
- Edit,Copy,Share Dashboard

- Adding Backlog details to dashboard
- Adding Reports details to dashboard
- Setup Wallboard Slideshow
- Add Filters in Dashboard

❖ Epics in Jira

- Understanding Agile Epic in classic project
- Enable Epic Panel
- Add/Remove Epic from Project
- Create issue in Epic
- Attach Epic with Backlog issues

❖ Versions in Jira

- Introduction to Version
- Creating Version for classic project as well next gen project
- Issue type in Version
- Attachment of component in Version
- Assigning Version to Reporter
Fix Version

❖ Defect Reports in Jira

- Introduction to Defect Template in Jira
- Logging Defects in Jira
- Defect Lifecycle
- Searching Defects and doing bulk changes
- Creating favourite search filters for Defect
- Attaching files and screenshot to defects
- Adding Report Status
- Screenshot Attachment
- Setting Priority level of Bug
- Label and linked issues
- Assign bug to Developer
- Generating Sprint Reports
 - Using Burnup Report
 - Using Sprint Burndown Report
 - Velocity Report
- Generating Epic Reports
 - Using Epic Report
 - Using Epic Burndown
 - Using Control Chart
- Pie Chart Report

❖ Best Practice

❖ Live Project on

- Website
- Web Application

Appium

❖ Industry Leader Tool for Mobile App Automated Testing

- Description | Definition | Functionalities
- Mobile SDLC & Methodologies
- Mobile Platforms & Ecosystem
- Automate Native Apps
- Automate Web Based Apps
- Automate Hybrid Apps

❖ Appium Installation on Windows for Android

- Appium Server Installation
- Adding Appium Studio to Eclipse
- Android Studio SDK manager installation
- Setting the Environment Variables of SDK manager.
Real Mobile Device configuration -Settings

❖ Locators

- UI Automator - Inspect the app elements
- Appium Inspector - Inspect through Appium Client Window
- Complex Elements Finding Strategies

❖ Appium Architecture

- Appium on Android & IOS
- Appium Client Libraries Configuration
JSON Wire Protocol

❖ Android Platform

- Android Introduction / Version History
- Setting up Android Development Environment
- Application utilities - Activity Launcher
- Building your first Android Dummy App
- Running App on Real Mobile Devices
- Walk-through and Build Process
- Connecting the app with Appium code

❖ Gestures Automation with Key Events Handling

- Package API Usage
- Desired Capabilities Concepts
- Drag and drop, Touch Actions, Scroll, Swipe using Touch Actions
- Multi-Touch, Swipe, Tap, Long Press, Flick, Pinch and Zoom
- Upload pic, Date Picker
- Taking Screenshot
- Android Key Events

❖ Web APPs Automation

- Introduction & Mobile Browser Configuration setup for Appium test
- Web Driver Commands
- Operations
- Web Driver Scripting
- Automating Chrome Mobile browser

❖ Scenario Based Automation

- Validating Forms
- Validating Application Flow
- Logging Defects

❖ Appium Framework

- POM Framework & Maven Build
- TestNG

❖ Data Driven Framework in Appium

- Excel Driven
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 - using Extent Report API Libraries in Java

❖ Live Projects

Interview Preparation

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

HR Introduction & Placement Process

- Introduction to HR
- To Save Time, Placement Process will start from 4th / 5th month to help you quickly land in IT Jobs even while you are Learning !
- Simple Equation :: More You Learn (Related Technologies) >> Less Competition >> Be Unique >> Help in Quick Jobs
- Hence Our PG program is designed as per industry trends. Check Both on Naukri Portal or Pyramid Diagram in the PDF.

Other 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**
- ❖ **100% Job Opportunity**
 - Check Recent Placed Students on Site / our FB Page / our Google Page
- ❖ **Personal Mentorship**
 - Limited Seats per batch for Personal Mentorship
- ❖ **Friendly Environment with Professional Grooming**
- ❖ **Interview Preparation & Mock Interviews**
- ❖ **Resume Building etc.**

Please visit site for more info or reach us

Note : Enroll in our PG Program > Get *FLOODED* With Job Opportunities !

Our 5 Steps Process for Success



Contact Us

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Inquire Now !

