


# Mobile Testing with Appium



TECHCANVASS

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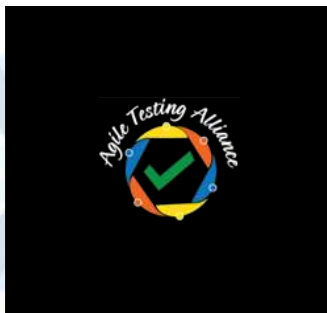
 [www.techcanvass.com](http://www.techcanvass.com)

## ABOUT TECHCANVASS

Techcanvass is a software training organization, founded by software professionals. We provide software courses leading to certifications in the following areas:

- Business Analysis
- Automation testing
- Business Analytics

We are authorized partners of the following certification organizations:



We have developed an exclusive Learning Management System (LMS) portal.



## Mobile Testing with Appium Training

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### Course Objectives

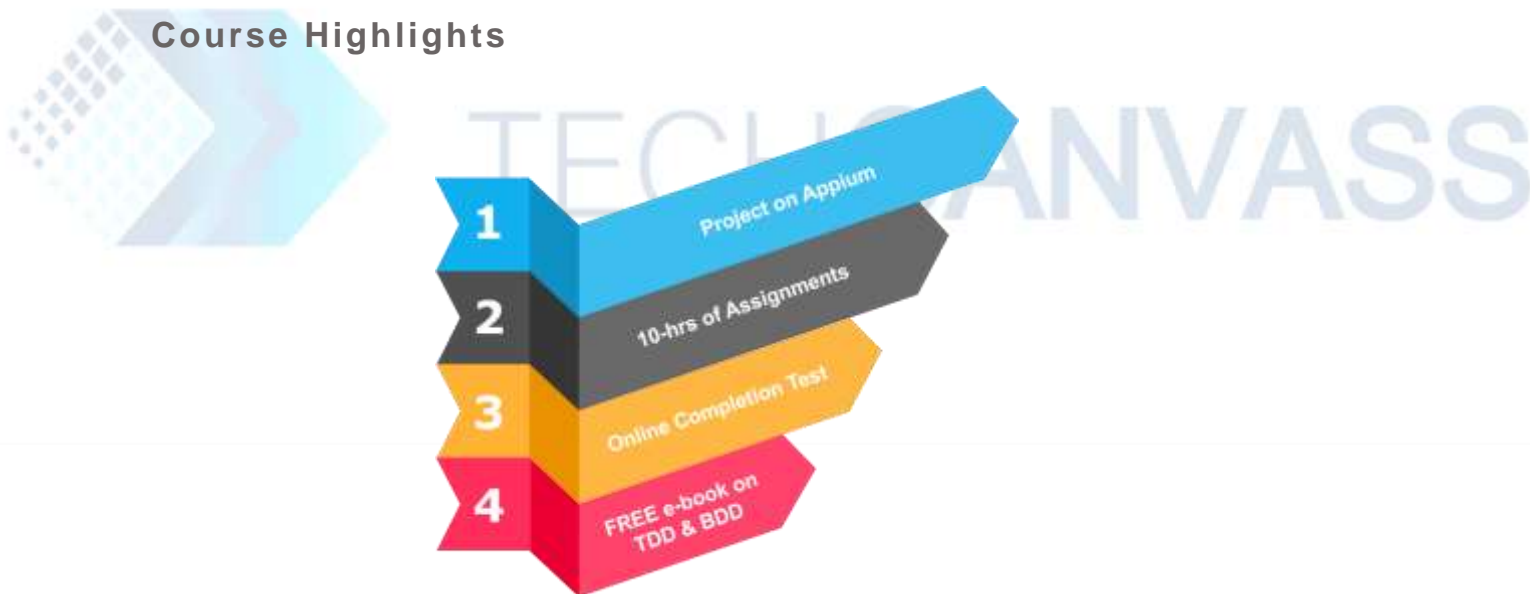
This course is intended to provide hands-on training with class exercises and project assignments.

The course will be conducted using one of the most powerful frameworks known as Appium. The most striking feature of Appium – it supports both Android and iOS mobile applications

### Course Pre-requisite

You should be knowing Java essentials & basics of Selenium.

### Course Highlights



### Course Material

We would be providing course material, which will include the following topics:

- Java Essential Notes
- Selenium Notes
- Appium PPTs

## Course Duration

The total course duration is 20 hrs (5 weekends).

## Course Content

Modules	Details
<b>Module I: Mobile App Testing</b>	
Introduction to Mobile Applications	<ul style="list-style-type: none"> <li>• Components of mobile app</li> <li>• Types of mobile apps – Native, hybrid, web mobile apps</li> </ul>
Mobile Testing Tour	<ul style="list-style-type: none"> <li>• Gesture tour, Accessories tour, Motion tour</li> <li>• Location, connectivity and map tour</li> </ul>
Mobile testing and its challenges	<ul style="list-style-type: none"> <li>• Multiple Device/Platform</li> <li>• Non-functional – Performance and Security</li> <li>• Network, Usability and Memory</li> </ul>
Mobile testing Approach	<ul style="list-style-type: none"> <li>• Install, uninstall testing</li> <li>• workflows and feature testing</li> <li>• Scenario based testing</li> <li>• Device interactions</li> <li>• Types of mobile testing</li> </ul>
Logging and Diagnosing bugs	<ul style="list-style-type: none"> <li>• Logging and Debugging bugs</li> <li>• Dealing with intermittent problems</li> </ul>
Testing sample mobile application	<ul style="list-style-type: none"> <li>• Testing an app</li> <li>• Class assignment (Live testing of any .apk )</li> <li>•</li> </ul>
Emulator and Device testing	<ul style="list-style-type: none"> <li>• What are .apk and .ipa/ .app file</li> <li>• Install and configure emulators and simulators</li> <li>• Real time testing on a device</li> </ul>

The activity life cycle	<ul style="list-style-type: none"> <li>• Start activity</li> <li>• Pause and resume activity</li> <li>• Stopping and restarting</li> <li>• Recreating</li> </ul>
Fragments	<ul style="list-style-type: none"> <li>• Nested Activity</li> <li>• Layout</li> <li>• </li> </ul>
Code walkthrough	<ul style="list-style-type: none"> <li>• code walkthrough</li> <li>• Identify activities, layouts and other components</li> <li>• Understand the unit test cases of the app</li> </ul>
<b>Module II: Mobile Test Automation using Appium</b>	
Appium Introduction	<ul style="list-style-type: none"> <li>• What is Appium?</li> <li>• Appium Concepts</li> <li>• Advantages/Philosophy of Appium</li> <li>• Appium Architecture</li> <li>• How to Setup Appium on Windows/ Mac</li> </ul>
Working with Appium	<ul style="list-style-type: none"> <li>• Finding elements in android – UI AutomatorViewer</li> <li>• Finding elements in iOS - Appium Inspector</li> <li>• Interacting with Elements</li> <li>• Setting Up Test Project in Eclipse (Using Java)</li> <li>• End to End Test Scenario Automation using Eclipse, Appium &amp; Real Device/ Emulators</li> <li>• Examples/Hands-on/Sample Test Cases</li> </ul>
Mobile Testing Project	<ul style="list-style-type: none"> <li>• Introduction of Project</li> <li>• Submission of project</li> </ul>