Mobile Testing – Mobile applications (CONSISTENCY over MOTIVATION)

Software Test Automation

Read textbooks, Videos.

**BUILD ALL KINDS OF PROJECTS – LEARN OTHER DEVELOPERS PROBLEM SOLVING LOGIC.**

**Problem Solving Skills (Object/Program inputs, process – output, storage) – Algorithm (step by step pseudocode, flowchart) – implementation - maintenance.**

**Understand the problem and the object inputs and outputs.**

**Understand the theoretical knowledge concept, Implement hands-on exercises – Apply to a problem.**

**Specification and Requirements – business needs.**

**CLIENT SERVER ARCHITECTURE**

**Nth tier layer architecture**

* Mobile Native app, Hybrid app, Web app, windows desktop app, tizen app.
* Android, IOS, Windows phones, operating system, and apps
* Network Testing – offline mode
* Different network 2g,3g, 4g, 5g
* WIFI and Mobile Data network
* Network switching (GSM to WIFI and vice versa)
* Camera and GPD testing.
* Touch, Gesture, Sensors, Orientation.
* Physical and simulator - emulator devices
* ADB commandline program

Interruption Management Testing

* Alarms
* Push Notifications
* Messages / sms
* Multi-tasking

Location Testing

* GSP implementation.

Mobile Automation Testing

* Software automation testing tools – Appium, Robotium
* Appium uses UIAutomation driver client.

Performance Testing – Non-Functional

* Load test
* Stress test
* Response time

Functional Mobile Testing

* Testing the business logic in the application.
* Validating the business requirements based the specification and testcases.
* Exploratory testing.
* Installation and Uninstallation Testing