

## Advanced Automation Testing

### Session 1: Introduction to Robot Framework

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| ✓ What is a Test Automation Framework? | ✓ Origin & History of Robot Framework   |
| ✓ Features and Capabilities            | ✓ Robot Framework Vs Selenium Framework |

### Session 2: Installation Overview and Preconditions

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| ✓ Install Python and PIP, Install Robot Framework | ✓ Selenium Library, Install Desired Browsers |
| ✓ Create Base Scripts Directory and Project       | ✓ Navigate and search script files           |

### Session 3: First Script Execution

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| ✓ Organizing Your Project Files        | ✓ Sections of the Script File           |
| ✓ Selenium2Library vs Selenium Library | ✓ Write Test Steps – Part1              |
| ✓ Test Setup and Test Teardown         | ✓ An important IE Precondition Settings |
| ✓ Run the Script on Different Browsers | ✓ Examine the Great Results Files       |

### Session 4: Make the Script More Readable

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|----------------------------------|--------------------------------------|
| ✓ Style: Procedural vs Gherkin   | ✓ Introduction User-Defined Keywords |
| ✓ Break the Script into Keywords | ✓ Moving Keywords to Resources       |
| ✓ Adding Set Up and Tear Down    |                                      |

### Session 5: Use Variables to Centralize data

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| ✓ Scalar Variables | ✓ List Variables                |
| ✓ Variable Scope   | ✓ Passing Variables to Keywords |

### Session 6: Test Reports and Log Reports

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| ✓ Log File | ✓ Report File |
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### Session 7: Introduction to Appium

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| ✓ Various tools for mobile applications? | ✓ What is Appium? |
| ✓ What all can be tested with Appium?    |                   |

### Session 8: Download and Configure Appium

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| ✓ Configuring appium on real device   | ✓ Download and Configure Android on local machine |
| ✓ Starting Appium Server from Console | ✓ Starting Appium Server from command prompt      |

### Session 9: First Appium Program

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| ✓ Running your first Appium Program | ✓ Installing Simulator |
| ✓ Running first Script on Simulator | ✓ Maven Dependencies   |

### Session 10: Launching Hybrid/Native Apps with Appium

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| ✓ Concept of Apk file, AppCompatActivity and AppPackage       | ✓ Javadocs for Appium                        |
| ✓ AppiumDriver and RemoteWebDriver classes                    | ✓ Launching System Hybrid Apps               |
| ✓ Appium reinstalls App                                       | ✓ Checking whether App is installed on Phone |
| ✓ Launching native Apps like a calculator, Contacts, Settings | ✓ Always quit appium - Mandatory             |