Selenium Automation Testing with Python course content

Python Introduction

- ✓ Python Environment setup
- ✓ Python basics
- ✓ Sequences (List, tuple, Dictionary, set)
- ✓ Generators
- ✓ Conditional statements
- ✓ Loops
- ✓ OOP's concepts

Selenium web driver PART- I

- ✓ Introduction of WebDriver
- ✓ Environment setup
- ✓ Architecture of selenium web driver
- ✓ First Selenium code
- ✓ Introduction to basic commands like get / navigate
- ✓ Web pages DOM Structures
- ✓ Locators (Types with Examples)

Selenium web driver PART- II

- Introducing waits – Implicit and Explicit Wait
- Working with Web Page Elements / Controls
  - ✓ Dropdowns
  - ✓ Lists
  - ✓ Radio Buttons
  - ✓ Multi-select Box
  - ✓ Date Picker
  - ✓ Auto Complete

Selenium web driver PART- III

- ✓ Exception Handling in Selenium
- ✓ Taking ScreenShots
- ✓ Handling JavaScript alerts,confirmations and prompts
- ✓ Working with static and dynamic webtables
- ✓ Action Class for mouse and Keyboard Actions

Selenium web driver PART- IV

- ✓ Web driver – script for a test case
- ✓ Converting manual test scenarios to test scripts
- ✓ Cross browser testing
- ✓ Working with simple webpage testing
- ✓ Verification and Assertion
- ✓ File Upload and Download

Selenium web driver with UnitTest Framework

- ✓ Introduction
- ✓ Environment setup
- ✓ Using Selenium unit testing to write test scripts
- ✓ Handling multiple window
- ✓ Navigating
- ✓ Locating Elements
- ✓ Running Multiple Test Scripts
- ✓ Generating Unit Test Report using HTMLTestRunner

Advanced Module

- ✓ Reading and writing data from Excel
- ✓ Writing Automation Test Scripts to use Excel data
- ✓ Smoke testing
- ✓ Generating Smoke Test Report using HTMLTestRunner
- ✓ Introduction to Page Object Model (POM)
- ✓ Introduction to Behavior Driven Development(BDD)
- ✓ Introduction to Appium (For Mobile Testing)
- ✓ Live Project (Any WebApplication)