Testing Shastra

Python-Selenium Automation Testing

SYLLABUS

Duration: 100Hrs
Mode of Training: Online (Zoom Meeting)
Time: Daily 1Hour and Weekly 2Hours

For more info., Call on:

+91-9130502135

Python Basics part-I

- Python program structure
- Elements of python language
- Running first program in python
- The Python Interpreter

Python Basics Part-II

- Introduction to data types ¬ Control Flows
- Functions and Variables ¬ Data Structures
- Lists & More

Python Basics Part-III (OOPS Concept)

- Classes
- Names and Objects
- Inheritance
- Iterators
- Generators
- Python Standard Libraries

Python Basics Part-IV

- Errors and Exceptions
- Modules
- Input and Output
- Assertions

Locators

- What are locators
- Types of locators
- Examples of using Locators
- Advantages and disadvantages of using locators

Web Driver Part-I

- Introduction of Web Driver
- Download & configuring Web driver
- The architecture of selenium web driver

- Drivers for Firefox, IE, chrome, I-phone, Android
- First Selenium Code
- Introduction to basic commands like get/navigate
- Exception Handling in Selenium

Web Driver Part-II

- Working with web page elements/Controls o Dropdown
    - Listbox
    - Radio buttons
    - Multi-select box o Date picker
    - Combobox widget
    - Introducing wait – implicit and explicit wait
    - Handling different browsers – Firefox, Chrome and Internet Explorer browser
    - Taking screenshots
    - Handling Java script alerts, confirmations and prompts

Web Driver Part-III

- Working with Windows, Tabs and Frames
- Working with static and dynamic Web tables
- ACTIONS CLASS FOR MOUSE AND KEYBOARD ACTIONS

Web Driver Part-IV

- File Upload and Download
- Working with Proxy APIs PyTest Framework
- Introduction to PyTest framework
- Installing PyTest
- PyTest Fixtures
- Running multiple tests using PyTest
- Generating Test report

Data-Driven Testing

- Reading and writing data from Excel
- Writing automation scripts to use excel data Page Object Model (POM)
- What is Page Object Model (POM)
- Concept of Object Repository
- Need for POM
- Page Factory
- Implementing POM
- Automation Framework Basics

Introduction to Jenkins

- What is Jenkins
- Installation and configuration of Jenkins
- Plugins in Jenkins
- Setting up a Jenkins Job
- Manage Jenkins Job

END