



Real Time Web Automation Course

(**Playwright**).

Online training with
Banking/Insurance/e-Commerce
Projects..!!





MEET OUR CERTIFIED MENTOR

Mr. SUBBA RAJU KORASEEKA



Mr. Subba Raju Koraseeka has more than 21+ years of experience in the Software Industry as real time employee, trainer and mentor in various reputed organizations worked in various domains and projects. He is a certified professional in Testing, Python and Data Science and leading online trainer in HYDERABAD. He is giving real time

scenarios and live hands on projects development and testing.

Mr. Subba Raju and his team have started Hyderabad's first and dedicated QA Training Hub, which offers end-to-end Testing Training. Aspirants seeking a career in Testing can register for QA Training Hub's Software Testing courses: Manual Testing, Test Automation, Selenium, Database Testing, Protocol Testing, Cloud Testing, Pega Testing.

Mr. Subba Raju and his team of trainers offer world-class, high quality and affordable software testing training courses to aspirants seeking a career in software testing. Together, the team has trained more than 210 batches of trainees on 14 plus technologies. The testing training programs are classroom based, eLearning based and corporate training based on Selenium, Python, Full-stack-Python, Core-Java, Full-stack-Data-Science QA, and Web Technologies.



Mission

To provide flexibility, convenience and competency by offering testing training through, online & corporate training method.

Vision

To offer the best, accessible and affordable testing training programs to IT aspirants and professionals in India, US, Canada, UK, Australia and Arabic countries.

WE AIM TO ACHIEVE?

- ✓ To make testing training and testing education accessible, and affordable to all.
- ✓ To bridge the gap between demand and supply of software testing professionals in the IT industry, India and abroad.
- ✓ To offer the best-in-the-class and affordable software testing training programs.
- ✓ To relay and share the testing knowledge gained by the trainers during their work on testing projects across platforms and software.
- ✓ To create, nurture and strengthen software testing training in India and abroad.
- ✓ To promote discussion and debate on all issues relating to testing, theory and practice.
- ✓ To foster a community of testers, local, national and international for mutual benefit and progress.
- ✓ To seek and publish jobs and opportunities in the domain of software testing and testing training.
- ✓ To establish a benchmark for quality testing training





Real Time Web Automation Course (**PLAYWRIGHT**). Online training with Banking/Insurance/e-Commerce Projects..!!

Module 1: Introduction

- ✓ Introduction to Playwright Features
- ✓ Install Node.js & Visual Studio for setting up Playwright Environment

Module 2: Getting Started with Playwright Automation

- ✓ Create npm Project and install Playwright dependencies for testing
- ✓ Importance of Playwright Test Annotation and async await understanding
- ✓ What is browser context and Page fixtures in Playwright ? - Example
- ✓ Importance of Playwright configuration file and its details to run the tests
- ✓ Running Playwright tests in multiple browsers - chrome, Firefox

Module 3: Playwright Basic Methods for Web Automation

- ✓ Locators supported by playwright and how to type into elements on page
- ✓ Extracting the text from browser and inserting valid expect assertions in test
- ✓ How to work with locators which extract multiple webelements in page
- ✓ Understanding how wait mechanism works if list of elements are returned
- ✓ Techniques to wait dynamically for new page in Service based applications

Module 4: Handling UI Components

(Dropdowns, RadioButtons, Child Windows)

- ✓ Handling static Select dropdown options with Playwright
- ✓ Selecting radio buttons, Checkboxes and implement expect assertions
- ✓ Using async await with Assertions and understand validating the attributes
- ✓ Handling Child windows & Tabs with Playwright by switching browser



Module 5: Learn Playwright Inspectors, Trace Views

- ✓ What is Playwright Inspector? And how to debug the playwright script
- ✓ Codegen tool to record & Playback with generated automation script
- ✓ Detailed view of Test Traces, HTML reports, logs & Screenshots for test results

Module 6: Handling Web dialogs, Frames & Event Listeners

- ✓ How to validate if element is hidden, displayed mode with Expect assertions
- ✓ How to automate Java/JavaScript Alert popups with Playwright
- ✓ How to handle & Automate frames with Playwright - Example

Module 7: API Testing with Playwright and Build mix of Web & API Tests

- ✓ Understanding the importance of API integration calls for Web tests
- ✓ Playwright request method to make API calls and grab response - Example
- ✓ Parsing API response & passing token to browser local storage with Playwright
- ✓ Place order API to create order and bypass the flow in UI with mix of web/API
- ✓ End to end validation with mix of API & Web concepts - Reduce test time
- ✓ Refactor API calls from utils folder and isolate from Web test logic

Module 8: Perform Visual Testing With Playwright

- ✓ Capture Screenshots with Playwright on page & partial Element level - Demo
- ✓ What is visual testing & How to perform it using Playwright

Module 9: Page Object & Data Driven Parameterization

- > Capture Screenshots with Playwright on page & partial Element level - Demo
- > What is visual testing & How to perform it using Playwright
- > What is page object pattern & Importance of its implementation
- > Creating Page objects and action methods for end to end Script - Part 1
- > Creating Page objects and action methods for end to end Script - Part 2
- > Assignment Solution - Converting Page object Model Project
- > How to drive the data from external json files to playwright tests
- > Implementing Parameterization in running tests with different data sets
- > How to pass test data as fixture by extend test annotation behaviour

Module 10: Project Configurations & Config Options

- > Various options in use property & setting up Project configurations
- > View port Property on emulating browser to mobile devices with playwright
- > Screenshots, Videos, Traces & SSL certification options setting in Config file

Module 11: HTML & Allure Reporting

- > How to generate HTML & Allure reporting for Playwright Framework tests
- > How to create custom scripts to trigger the tests from package.json

Module 12: Javascript Introduction Variables

- > Variable definition & syntax
- > Variable rules
- > var, let and const
- > Variable scoping



Module 13: Data types

- ✓ Literals of each type
- ✓ typeof operator
- ✓ Data type - different forms
- ✓Truthy, falsy and nullish values
- ✓ Data type conversion - inbuilt functions



Module 14: Operators

- ✓ Operators Intro and types
- ✓ Overall operators
- ✓ Assignment operator
- ✓ Arithmetic operator
- ✓ Comparison operator
- ✓ Logical AND (&&)
- ✓ Logical OR (||)
- ✓ Logical Not (!)
- ✓ Logical operator OR - default value
- ✓ Ternary operator



Module 15: Strict mode

Conditional Statements

- ✓ Conditional statement intro
- ✓ Use case 1: Just If
- ✓ Use case 2: If (NOT)
- ✓ Use case 3: If and else
- ✓ Use case 4: Nested if conditions
- ✓ Use case 5: if..else [Inner conditions]
- ✓ Use case 6: Use of if conditional in loops
- ✓ Switch case - syntax
- ✓ Switch case – demo



Module 16: Loops

- ✓ Loops - Intro
- ✓ Standard for loop - simple use case
- ✓ Standard for loop with Array
- ✓ Standard for loop - use of break statement
- ✓ Loops - forEach
- ✓ Loops - while
- ✓ Loops - for...in and for...of



Module 17: String manipulations

- ✓ String intro
- ✓ String - different forms
- ✓ Formatting string
- ✓ Comparing string
- ✓ Extract substring - slice method
- ✓ String replace and replaceAll
- ✓ Extract substring - split method
- ✓ Extract substring - indexOf method
- ✓ Use of backslash in string



Module 18: Functions

- ✓ Function - intro
- ✓ Named function demo
- ✓ Anonymous function demo
- ✓ Function parameter
- ✓ Rest parameters and arguments object
- ✓ Return statement
- ✓ Self invoking function



Module 19: Arrow functions

- ✓ Arrow function
- ✓ Arrow functions demo

Module 20: Call back functions

- ✓ What is callback function - quick demo
- ✓ Callback function overview
- ✓ Understanding callback function - How it works?
- ✓ Return statement in callback functions



Module 21: Promises

Async/Await

Functions – Realtime usecase

- ✓ Callback - Real time use case
- ✓ Promises - Real time use case
- ✓ Asyn/Await - Real time use case
- ✓ Function as object - How?



Module 22: Objects

- ✓ Objects overview
- ✓ Objects creation - Different ways
- ✓ Properties
- ✓ Methods and use of this keyword
- ✓ Dynamic key and value
- ✓ Access Object's member
- ✓ Object assignment
- ✓ Merging objects
- ✓ Iterate object properties and methods
- ✓ Use of JSON.stringify method
- ✓ Object Oriented Programming - Inheritance
- ✓ Use of constructor property to differentiate object types



Module 23: Arrays

- ✓ Arrays - Intro
- ✓ Array creation - different ways
- ✓ Add elements
- ✓ length property - rules
- ✓ Different data structure
- ✓ Traverse and access elements
- ✓ Use of map method
- ✓ Use of filter method



Module 24: Classes

- ✓ Classes - Intro
- ✓ Classes - syntax
- ✓ Page object model - context
- ✓ Create a simple class with two methods
- ✓ Class - inheritance
- ✓ Getter property
- ✓ Setting up variable and constructor



Module 25: Error handling

- ✓ Error Handling - intro
- ✓ Common error objects in JS
- ✓ throw statement demo
- ✓ try..catch demo





Module 26: More about Placements***

- ✓ Resume preparation
- ✓ Mock Interviews
- ✓ Interview Tips & Tricks
- ✓ How to fill academic and professional gap
- ✓ Placement Assistance **
- ✓ Cracking Interview


Our Trainees are successfully placed in



What people say

 "Successfully completed web design online course. It is very good institute, I suggest every people to learn this...thanks to QA training hub."
A Sruthilaya - ★★★★★

 "Nice online training institute for web development course..... I suggest this course for fresher's ...thanks to QA training hub....."
Thara A - ★★★★★

 "It was good experience with this online training....It is very useful for web development....thanks for QA training hub."
B Ashwini - ★★★★★

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