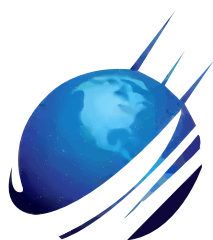




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About Next IT Career

Next IT Career Best Software Coaching Center in Hyderabad Corporate training is a function of human resource management that aims to provide the organization's employees with the knowledge and skills required to be successful. In turn, the growth of employees also contributes to the success of the business. In recent years, Its also seen as a long-term strategic assignment rather than a cost center for the organization. The majority of companies have embraced 'continual learning' in it to promote employee growth both professionally and personally and acquire a highly skilled workforce as a result.



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Playwright Test Automation Course Syllabus

Playwright Test Automation

INTRODUCTION OF PLAYWRIGHT AND TYPE SCRIPT

1. TYPE SCRIPT PROGRAMMING

- Introduction to playwright and setup environment
- TypeScript Variables
- Data Types in TypeScript
- Operators in TypeScript
- Conditional Statements
- Loops in TypeScript
- Functions - Part1 & Part 2
- Arrays in TypeScript
- Array Methods- Part1 & Part 2
- Strings
- Objects
- Read Only, Optional Properties & Overloading
- Inheritance
- Interface and Modules

2. PLAYWRIGHT USING TYPESCRIPT(END TO END WEB AUTOMATION TESTING)

- Playwright Kick Start
- Understanding Playwright Locators (Built-in)
- Locating Elements using CSS Locators
- Locating Elements using XPath, Operators and functions in XPath
- Locating complex elements using XPath Axes
- Playwright Actions-Input Box, Check box & Radio buttons
- Handle Dropdowns -Part 1 & Part 2
- Handle Static Web Table in Playwright (Fixed Rows & Columns in a table)
- Handle Dynamic & Pagination Tables (Dynamic Rows, Columns and data)
- Handling Date Pickers (Customized Elements)

- Handling Dialogs and Frames/IFrames
- Playwright Browser Context, Handle Tabs & Popup Windows
- Handling Mouse Actions and Scrolling in Playwright
- Handling Keyboard actions, File Upload & Download in Playwright
- Handle Shadow DOM ,SSL, Proxy & Cookies

3. PLAYWRIGHT ADVANCE FEATURES

- Auto waiting, Timeouts, Assertions and Test Generator (Codegen)
- Capture Screenshots, Record videos for test, Trace Viewer and Handle Flaky Tests
- Grouping Tests, Hooks, Annotations & Tagging Tests
- Parallelism/Parallel Testing
- Parameterization (Data Driven Testing with JSON, CSV & Excel Files)
- Playwright Reports & Allure Reports
- Visual Testing with Playwright
- Accessibility Testing with Playwright
- Page Object Model

4. AUTOMATION FRAMEWORK DESIGN AND DEVELOPMENT

- Introduction To Framework & Setup Project structure and dependencies
- Automate Test cases, Data Driven Tests and Execute test cases with Tags
- Automate End-To-Test Cases and Run Tests using Package.json file

5. CI CONCEPTS (GIT, GITHUB & JENKINS)

- Working with Git and GitHub -Part1 (Git CLI Commands)
- Working with Git and GitHub-Part2 (Branching, Raising Pull Requests & Merging)
- Playwright GitHub Workflow Actions,Continuous Integration with Jenkins& Pipeline

6. API TESTING WITH PLAYWRIGHT

- Introduction to API Testing, Types of HTTP Requests & Creating Post request body
- Validation of different HTTP requests, Path & Query Parameters, Chaining request
- API Authentications and Schema validations using Ajv

7. PLAYWRIGHT POWERED BY AI

- Playwright with MCP + GitHub Copilot
- VS Code Extension for Playwright Test (Running and debugging Playwright tests)

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