



PLAYWRIGHT WITH JAVASCRIPT



Course Curriculum





About AiiTE



Welcome to AiiTE Academy, where we help you master the latest IT skills for a successful career in technology. Established in April 2019, we are Chennai's top IT training academy, offering high-quality courses in machine learning, artificial intelligence, full-stack development, and quality assurance testing. Our expert instructors provide hands-on training to ensure you gain the practical knowledge needed to excel. With flexible learning options, AiiTE Academy is committed to preparing you for success in the fast-paced IT industry.



Why Choose AiiTE



Hands-on Learning



Career Focused Training



Flexible Learning Options



Expert Trainers



Our Vision

To be recognized as the best IT training institute in Chennai, known for our innovative teaching methods and commitment to producing industry-ready professionals.



Our Mission

To equip students with cutting-edge IT skills and provide them with the knowledge needed to excel in their careers.

SINCE

55+

Certified
Courses

2

250+

Placement
Tieups

0

9000+

Students

1

45+

Expert
Trainers

100%

Placements
Assistance

9

6500+

Successful
Placements

JavaScript Roadmap

- HelloWorld Program
- Declaring Variables
- Understanding Data Types
- Loops and Conditions
- Logical Operators and Assignments
- Arrays and Their Methods with Detailed Examples
- Functions in JavaScript
- Understanding var, let, const Keywords
- String and Its Related Functions
- JavaScript Objects
- Classes and Their Properties, Methods

Introduction To Playwright & Core Concepts

- What is Playwright?
- Installation & environment setup
- Writing the first Playwright script
- Playwright vs. Selenium

Web Automation Basics & Handling UI Components

- Navigating pages & interacting with elements
- Playwright basic methods (click, type, check, assertions)
- Handling UI components (dropdowns, radio buttons, child windows)
- Managing alerts, pop-ups, and iFrames

Debugging & Test Enhancement Tools

- Using Playwright Inspector & Trace Viewer
- Codegen tool for generating test scripts
- Working with event listeners for dynamic web interactions

Advanced Locator Strategies & Test Runner

- Unique getBy locators (getByRole, getByText, etc.)
- Understanding Playwright's Test Runner
- Parallel execution, retries, and test tagging

End-To-End Automation & Framework Design

- Writing scalable end-to-end test cases
- Implementing Page Object Model (POM)
- Data-driven testing & parameterization

File Handling & Visual Testing

- Handling file uploads and downloads
- Building Excel utilities for data-driven testing
- Performing visual testing with Playwright algorithms

Playwright Reporting & CI/CD Integration

- Generating HTML & Allure reports
- Integrating Playwright with Jenkins for CI/CD
- Project configurations & robust test framework design

Playwright With TypeScript & Cucumber BDD

- Understanding TypeScript basics
- Refactoring Playwright framework to TypeScript
- Implementing Playwright with Cucumber for BDD

Cloud-Based Playwright Execution

- Running Playwright tests in Azure Cloud
- Parallel execution & CI/CD integration with Azure DevOps

Final Hands-On Project & Best Practices

- Real-world automation project implementation
- Best practices for scalable Playwright automation
- Performance optimization & future learning paths

Thank You!

We're excited at the opportunity to work together and make this training program a success. Let's put our heads together and create an engaging and rewarding learning experience that Will benefit everyone involved.

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