



## Real Time Web Automation Course (CYPRESS).

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

## Module 1: Introduction to Cypress

- ✓ What is Cypress?
- ✓ Understand Cypress Architecture and its benefits
- ✓ Difference in Cypress and Selenium
- ✓ Course Syllabus walkthrough



## Module 2: Step by Step instructions for Cypress & Project Setup

- ✓ Install Node.js, VS Code & Cypress for Windows

## Module 3: Introduction to Cypress Test Runner and command line features

- ✓ What is Cypress Test Runner?
- ✓ Build Cypress Basic test and run from test Runner
- ✓ Running Cypress tests in supported browsers
- ✓ Exploring the Cypress Project Framework structure



## Module 4: Mocha Framework

- ✓ Mocha Framework and Chai assertions
- ✓ Mocha Hooks
- ✓ Mocha Awesome Reports





## Module 5: Handling Web Elements

- ✓ Cypress locator strategies and how to construct them
- ✓ Cypress inbuilt plugin in test Runner to generate locators
- ✓ Basic Assertion in writing the tests with Cypress
- ✓ Handling Invisible elements with Cypress by understanding logs
- ✓ More Validations on Elements - First, Last, Eq
- ✓ Handling Elements - Parent, Children, Within, Siblings
- ✓ Different ways of running Cypress test
- ✓ Validate links
- ✓ Cypress Xpath plugin
- ✓ Forced and Multiple Click



## Module 6: Deep diving into Cypress commands and Asynchronous Nature

- ✓ Web applications to Practice Cypress Automation
- ✓ Understanding get and find commands with Cypress
- ✓ Grabbing the text for validations using Cypress text command
- ✓ Cypress Asynchronous nature and its promise handling
- ✓ Understanding the difference between JQuery methods and Cypress commands
- ✓ Handling Async promises with Cypress

## Module 7: Xpath and CSS locators

- ✓ Xpath vs CSS part 1
- ✓ Xpath vs CSS part 2
- ✓ Xpath vs CSS part 3

## Module 8: Dropdowns and Check Boxes

- ✓ Handling Dropdowns
- ✓ Handling Checkboxes





## Module 9: Alerts, Popups, Child windows Using Cypress-Jquery

- ✓ How Cypress auto handles Alerts in web Apps
- ✓ Handling Child tab with combination of Cypress & JQuery commands
- ✓ Navigating browser controls using Cypress
- ✓ Handling Web tables with Cypress using each command
- ✓ Handling Mouse hover popus using Cypress

## Module 10: Frames & Child windows in Cypress

- ✓ Handling Child windows using Cypress
- ✓ Handling Frames with Cypress using real time example

## Module 11: Handling Gestures – MouseOver, DragAndDrop, Sliders,Resizable, RightClick

- ✓ Handling Drag and Drop
- ✓ Handling Mouse Over Menus
- ✓ Handling Sliders
- ✓ Handling Resizable Elements
- ✓ Performing Right click on an Element



## Module 12: File Uploading and Downloading

- ✓ File Uploading
- ✓ File Downloading
- ✓ Validate different Screen sizes

## Module 13: Understanding Fixtures

- ✓ Understand how fixtures work in driving data
- ✓ Validating attribute properties and their behavior with cypress assertions
- ✓ Building customized Cypress commands for reusing the code

## Module 14: Page Object design and Test parameterization

- ✓ Parameterizing the test Data from Json files using each command
- ✓ Test Debugging and Pause with Cypress
- ✓ Implementing Page object Design pattern into Cypress
- ✓ Modifying existing tests into Page object pattern as per Cypress standards



## Module 15: Cypress Framework – Dashboard features with Video Recording & Screenshots

- ✓ Exploring Cypress Dashboard and its feature for framework development
- ✓ Monitoring Test Execution Videos & Screenshots through Cypress dashboard
- ✓ Rerun failed tests with Cypress retries configuration

## Module 16: Cypress BDD –Cucumber Framework Integration What is BDD and Cucumber? Benefits of it

- ✓ Install Cucumber Cypress Preprocessor Plugin and set it in index.js file
- ✓ Converting Cypress Mocha Tests to Feature files with Gherkin Syntax
- ✓ Implementing Step Definition files for features built with real Cypress code
- ✓ Data Driven Testing using Cucumber Data table feature for Cypress Tests
- ✓ Tagging Implementation to Control Test Execution for Cucumber Scenarios
- ✓ Building Cucumber Html reports for the Cypress Cucumber Test Scenarios

## Module 17: API Testing

- ✓ HTTP Methods
- ✓ Different Ways to create Post request
- ✓ Query parameters, Headers, Cookies & Bearer Token Auth
- ✓ Parsing Json Response Body
- ✓ How to validate Json Schema
- ✓ API – Authentications – Basic, Digest, Bearer, Token & API Key
- ✓ Request Chaining

## Module 18: Javascript Introduction Variables

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



## Module 19: Data types

- ✓ Literals of each type
- ✓ typeof operator
- ✓ Data type - different forms
- ✓ Trythy, falsy and nullish values
- ✓ Data type conversion - inbuilt function:



## Module 20: 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 21: 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 22: 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 23: 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 24: Functions

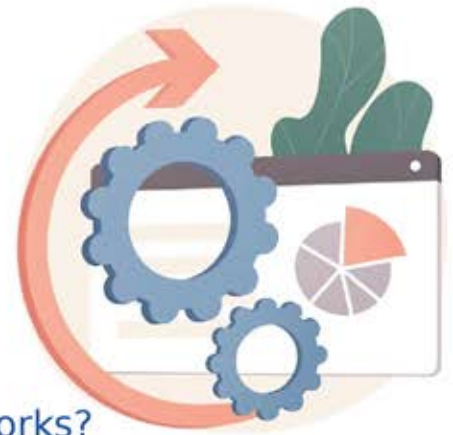
- ✓ Function - intro
- ✓ Named function demo
- ✓ Anonymous function demo
- ✓ Function parameter
- ✓ Rest parameters and arguments object
- ✓ Return statement
- ✓ Self invoking function





## Module 25: Arrow functions

- ✓ Arrow function
- ✓ Arrow functions demo



## Module 26: Call back functions

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

## Module 27: 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 28: 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 29: 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 30: 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 31: Error handling

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







## Module 32: 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.....”

T Adavath - ★★★★★



“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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