



Cypress Training Curriculum

STRUCTURE



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“Learn Cypress core concepts with best mentors at Croma Campus”

About Croma Campus:

Croma Campus Training & Development Private Limited is an education platform since 2010 providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty and industry.

- Hands-On Live Projects
- Simulation Test Papers
- Industry Cases Studies
- 61,640+ Satisfied Learners
- 140+ Training Courses
- 100% Certification Passing Rate
- Live Instructor Classroom / Online Training
- 100% Placement Assistance

Croma Campus Training Program Deliverables:

- **Session Recordings** - Original Class Room Voice & Video Recording
- **Training Material** - Soft Copy Handbooks
- **Assignments** | Multiple Hands-on Exercises
- **Test Papers** - We provide **Practice Test** as part of our course to help you prepare for the actual certification exam.
- **Live Case Studies**
- **Live Projects** - Hands-on exercises and Project work. You will work on real time industry-oriented projects and assignments for each module to practice.
- **Key focus on Hands-on exercises and Project work.** You will work on real time industry-oriented projects.
- Faculty with more than **10+ Years of Experience** in the Industry.
- **Technical Resume Designing & Job Assistance:** With more than 100+ Clients across the Globe and we help learners to get a good job in their respective field. We also help learners with resume preparation.
- **Interview Q&A**
- **About Croma Campus Training Certificate:** Croma Campus will provide you with an industry-recognized (Certified by **ISO 9001:2015** & **E-Cell IIT Jodhpur**) course completion certificate which has lifelong validity.
- **How I Unlock my Croma Campus Certificate:** Attend Complete Batch & Submit at least One Completed Project.

Course Content:

Section 1: Introduction to Cypress and its Advantage

- What is Cypress?
- Cypress Architecture

Section 2: Cypress Installation and Project Setup

- Install Node.js, VS Code and Cypress

Section 3: Cypress Test Runner

- What is cypress test runner?
- Build Cypress Basis Test and run from runner
- Running cypress tests in supported browsers
- Cypress Project Framework Structure
- Section 4: Cypress Test Automation
- Locator Strategies
- Inbuild plugin in test runner to generate locator
- Basic Assertions
- Handling invisible elements

Section 5: Cypress Commands and it's asynchronous

- Get and Find commands
- Grabbing the text for validation using text command
- Asynchronous nature and promise handling
- Difference between JQuery method and cypress commands
- Handling Asynch promises with Cypress

Section 6: Handling Web Controls UI using Cypress

- Verify and automation check boxes
- Static drop down using select command
- Dynamic dropdown with each command iteration
- Handling visible and invisible elements using assertions

Section 7: Alerts, Popup, Mouse Hover

- Auto handles alerts
- Child Tab with jquery and cypress commands
- Navigating browser controls
- Web tables using each commands
- Mouse hover popups
- Section 8: Frames and Child Windows
- Handling child windows
- Handling frames

Section 9: Framework Part 1 - Fixture and Custom Commands

- Agenda of framework topics and starting with test building
- How fixtures work in driving data?
- Validate attribute properties and their behaviour with assertions
- Building customized cypress commands for reusing the code
- Section 10: Framework Part 2 - Page Object Design and Test Parameterization
- Parameterizing the test data from json files using each command
- Test Debugging and Pause
- Page Object design pattern

Section 11: Framework Part 3 - Configuration Properties and environmental variables

- Implement global configuration changes
- Completing end to end execution of business flow
- Implement sum of products functionality using cypress java script
- Importance of environment variable
- Section 12: Framework Part - 4 Dashboard feature and Video recording
- Cypress Dashboard and it's feature for framework development
- Monitoring test execution videos and screenshots
- Mocha Awesome report for cypress execution
- Section 13: Framework Part - 5 Building npm scripts
- Scripting commands in package.json file
- Running multiple spec files on fly from cypress scripting command