Cypress

Hands-On Format: This hands-on class is approximately 80/20 lab to lecture ratio, combining engaging lecture, demos, group activities and discussions with comprehensive machine-based practical programming labs and

project work.

Module 1 – Cypress vs Selenium

What is Cypress?

Cypress Features

Difference Between Selenium and Cypress

Module 2 – Javascript Fundamentals

Hello World Program

Variables, Constants and Data Types

Concatenation and Interpolation

Objects and Arrays

Relational and Equality Operators

Logical Operators

Conditional Statement

Loops

Functions

Class and Methods

Module 3 – Cypress Installation and Configuration

Cypress Installation

Cypress Configuration

Visual Studio Installation

Module 4 – Interaction and Web Elements

DOM Terminology

Tests Structure

Types of Locators

Finding Web Elements

Saving Subject of the Command

Invoke Command

Checkboxes and Radio Buttons

Web Tables

Web Datepickers

Lists and Dropdowns

PopUps and ToolTips

Cypress Assertion

Module 5 – Page Object Design Pattern

First Page Object

End-to-End with Page Objects

Custom Commands

Module 6 – Working with APIs

What is API?

Json Objects

New Project Overview

Verification of the Browser API Calls

Mocking API Response

Cy.Intercept() in Details

API Calls using Cypress

Headless Authorization

Module 7 – Advanced Cypress

NPM Scripts and Cypress CLI

Environment Variables

Test Retries

Multiple Test Reports

Cypress with Docker Container

Login with OKTA

Cross Browser Testing

Shadow DOM

Cypress Dashboard and Parallel Test Execution

FREE Dashboard of Cypress

Visual Testing