TECHNO EXPERT SOLUTIONS

AN INSTITUTE FOR SPECIALIZED STUDIES!

Course Outline for Angular Testing with Protractor and Karma

Introduction to Angular Testing

- Introduction to isolated unit tests
- Introduction to Angular testing
- Introduction to Karma
- Introduction to Jasmine
- Introduction to Protractor

Introduction to Karma

- Installation and Configuration
- Preprocessors and Plugins
- Command-line Interface
- Hello World in Karma
- Debugging Karma tests

Introduction to Jasmine

- Installation and Configuration
- What is the Jasmine test framework?
- How to write tests in Jasmine?
- What is the Karma test runner?
- Creating test suites using Jasmine

- Spies, Setup and Teardown using Jasmine

Introduction to Protractor

- Installation and Configuration

  o Setting up Selenium Server

  o Setting up the browser

  o Using headless browsers

- Hello World in Protractor

- Interaction with one or more elements

- Working with Locators
- Introduction to Page Objects

- Debugging Protractor tests

- End to end testing on AngujarJS websites

- Handling elements on a Non-Angular websites

- Different locator techniques

- Writing Protractor tests

- Jasmine concepts

- Creating test cases and test suites

- Parallel and Multiple browser execution

- Framework designing using Page Object Model design pattern

- Creating common utilities

Case Studies

- Testing basic component

- Testing component with dependency

- Testing component with async service

- Testing component with inputs and outputs

- Testing routed component

Who is the target audience?

- Manual testers

- Test Managers

- Automation Testers with Selenium knowledge

- AngularJS developers