TOPICS

Cucumber BDD Framework

- Cucumber Introduction
- TDD (Test Driven Development) Vs BDD (Behavior Driven Development)
- Set Up Cucumber with Eclipse
- Install Cucumber Eclipse Plugin
- Download Cucumber JVM for Eclipse
- Cucumber Selenium Java Test
- Cucumber Environment
- Setting Up Cucumber with Selenium
- Cucumber Gherkins languages
- Cucumber Features file
- Cucumber Scenarios
- Cucumber Annotations
- Cucumber Scenario Outline
- Cucumber Tag
- Cucumber Data Tables
- Parameterization in Cucumber
- Cucumber Comments
- Cucumber Hooks
- Cucumber Command Line Options
- Cucumber JUnit Runner
- Cucumber Reports generation both Html report and Json report

Rest API Testing using RestAssured

Basics of Webservices/API's
- What is Client and Server?
- Client Server architecture
- Presentation, Business & Database Layer
- What is Request & Response
- What is API & API Testing
- What is Web Service
- Difference between API & Web service
- Components of Web services (WSDL & UDDI)
- SOAP VS Rest services
- Web Service API testing tools

- What to test in Webservices /API Testing
- HTTP Methods(GET/POST/PUT/DELETE)
- Status Codes
- Examples of Web service API's

REST Assured Automation

- Introduction to HTTP methods
- REST Assured Setting up environment (Eclipse, Maven & TestNG)
- Send GET request using REST-Assured
- Send POST request using REST-Assured
- Send PUT request using REST-Assured
- Send DELETE request using REST-Assured
- REST-Assured Extracting values from the response.
- Validating Response codes and status line
- JSON Schema Validation
- Validating Headers
- Validating Authenticated API's
- Rest Assured End-to-End Test Case

Rest Assured Automation Framework using TestNG/Cucumber

- Create Maven Project
- Update pom.xml
- Create Folder structure
- Develop Utilities
- Creating Test Cases
- Create Extent Reports
- Run Tests using TestNG XML
- Create Test Base Class
- Add logs to Tests using Apache log4j
- Run Project through pom.xml
- Run Project through command prompt
- Run Project through Jenkins
- Upload project to Git & Git hub