



# API Testing with Rest Assured

Boost your IT Career with Industry-leading Software Testing Trainings

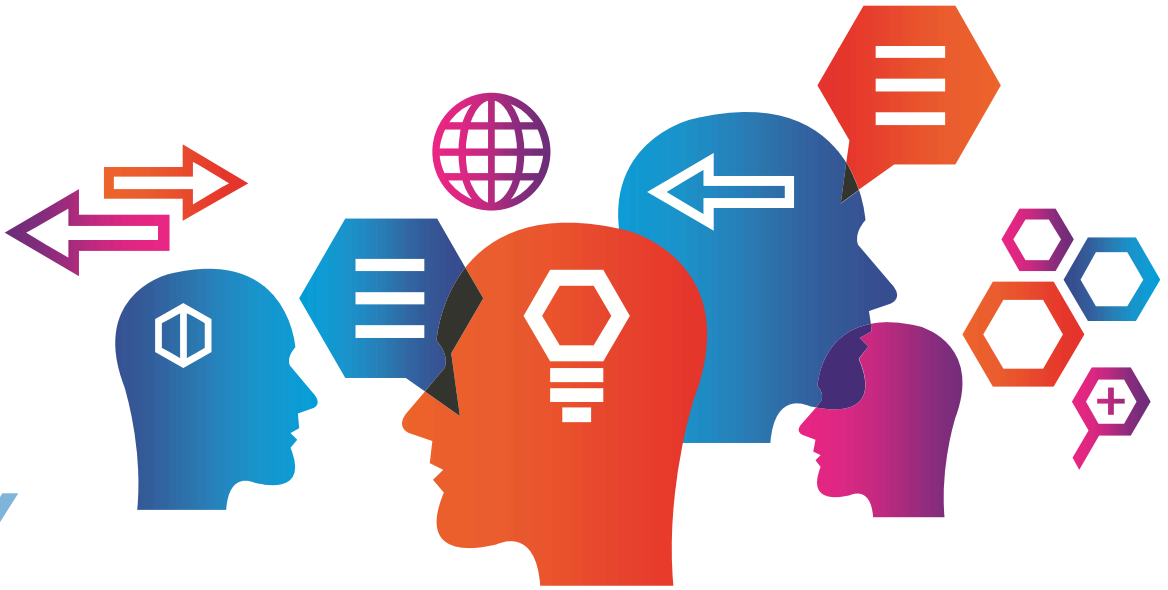
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WHY

# TESTX TECHNOLOGY



“ TestX Software Training Program to enhance your software testing skills, increases your marketability, and achieves professional growth.”

STAY AHEAD OF THE TECHNOLOGY CURVE

ENHANCE YOUR SKILLS

IMPROVED JOB PERFORMANCE

CAREER ADVANCEMENT

NETWORKING OPPORTUNITIES

COST-EFFECTIVE

HANDS-ON LEARNING

EXPERIENCED INSTRUCTORS

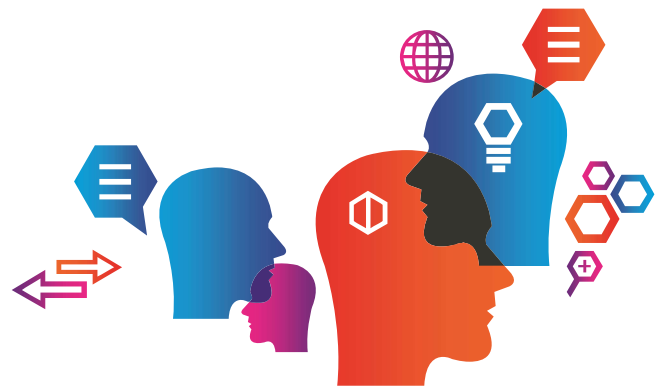
INDUSTRY RECOGNITION



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# WHAT

YOU WILL LEARN IN THIS  
TEST AUTOMATION COURSE?



## PRE-REQUISITE

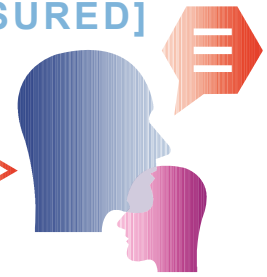
- Basic understanding of client server architecture
- Knowledge of Java Programming Language
- Good Logical Problem Solving Skills
- Basic knowledge in Software Testing

## MODULE-1 [BASICS - API TESTING]

- Introduction of API and Web Services
- What is API
- What is Web Service
- What is Backend Architecture
- Rest vs SOAP APIs
- What is CRUD operation
- What are different HTTP Methods – GET,PUT,POST,DELETE, PATCH
- Different Live Projects Examples
- Tools for Manual and Automation Testing of API

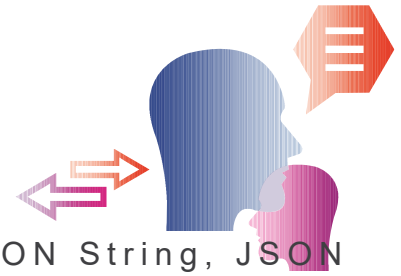


## MODULE-2 [INTERMIDIDATE- API WITH REST ASSURED]



- Installation and Setup of Java and Eclipse
- Setting up Rest Assured Maven Project
- Introduction of Rest Assured
- Rest Assured methods: GET/POST/PUT/DELETE
- Handle different types of Authentication
- Handle different payloads using POJO and JSON/XMLs
- GET/POST/PUT/DELETE – NON-BDD Approaches
  - Build REST API Test request using Rest Assured(GET/POST/PUT/DELETE)
  - Validating JSON Response
  - Validating Response Headers and Status codes
  - GET Request with headers
  - POST Request with JSON String
  - POST Request with External JSON File
  - Using Hashmap in request
  - Using POJO classes
  - Parsing JSON response and extracting values
  - Serialization and deserialization
  - Parsing complex JSON
- GET/POST/PUT/DELETE – BDD Approaches
  - What is GIVEN/WHEN/THEN/AND methods
  - What is LOG and ALL methods
  - How to ASSERT in Rest Assured
  - How to verify Status Code, Response Body and Headers
  - How to use QUERY PARAMETERS and PATH PARAMETERS

- What is ResponseBuilderSpec and RequestSpecification Concept
- What is JSONPATH
- What is EXTRACT method
- How to send a POST CALL with JSON String, JSON File and using Java (POJO) Class.
- What is Serialization and De-Serialization



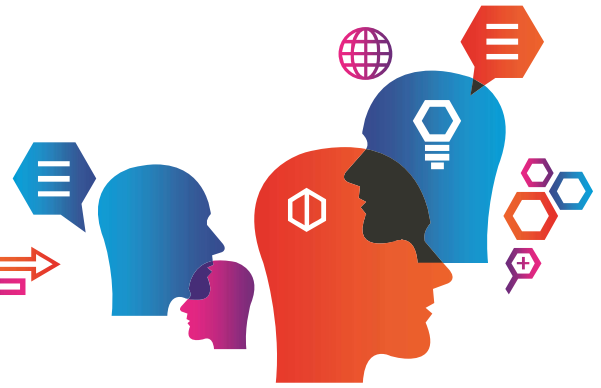
## MODULE-3 [ADVANCE – API WITH REST ASSURED]

- End to End Framework using Rest Assured
- Advanced test reporting
- Introduction of CI/ CD tools, Azure DevOps, Jenkins
- Execution of tests in pipeline
- Test Report integration with Test Management tool



# WHY

YOU SHOULD TAKE THIS SOFTWARE TESTING COURSE?



## Comprehensive Curriculum

Covering a range of topics, including manual testing, test management, automated testing, mobile testing, performance testing, api testing and security testing



## Hands-On Experience

Offering practical, hands-on experience with software testing tools and techniques through labs, projects, and case studies.



## Expert Instructors

Led by experienced and knowledgeable instructors who are experts in the software testing field.



## Interactive Learning Environment

Encouraging participation and engagement through interactive discussions, group activities, and Q&A sessions.



## Real-World Applications

Incorporating real-world examples and case studies to demonstrate the practical application of software testing techniques.



## Flexible Learning Options

Offering flexible learning options, such as online or in-person classes, full-time or part-time schedules, to accommodate different learning styles and schedules.



## Industry Recognized Certifications

Providing recognized certifications upon completion of the course, demonstrating skills and knowledge in software testing.

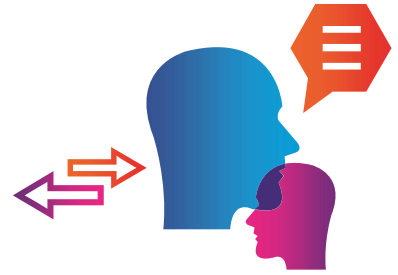


## Career Support

Providing career support, including job placement assistance, resume and interview preparation, and access to a professional network.



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# CONNECT US

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