



ADVANCE AUTOMATION /ADVANCE SDET

COURSE
CONTENT



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ABOUT US

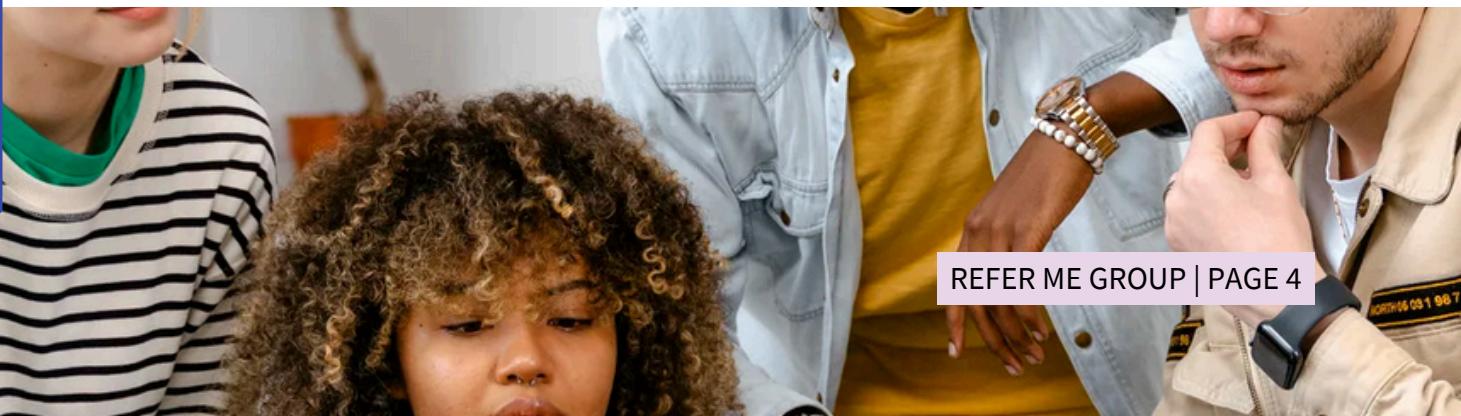
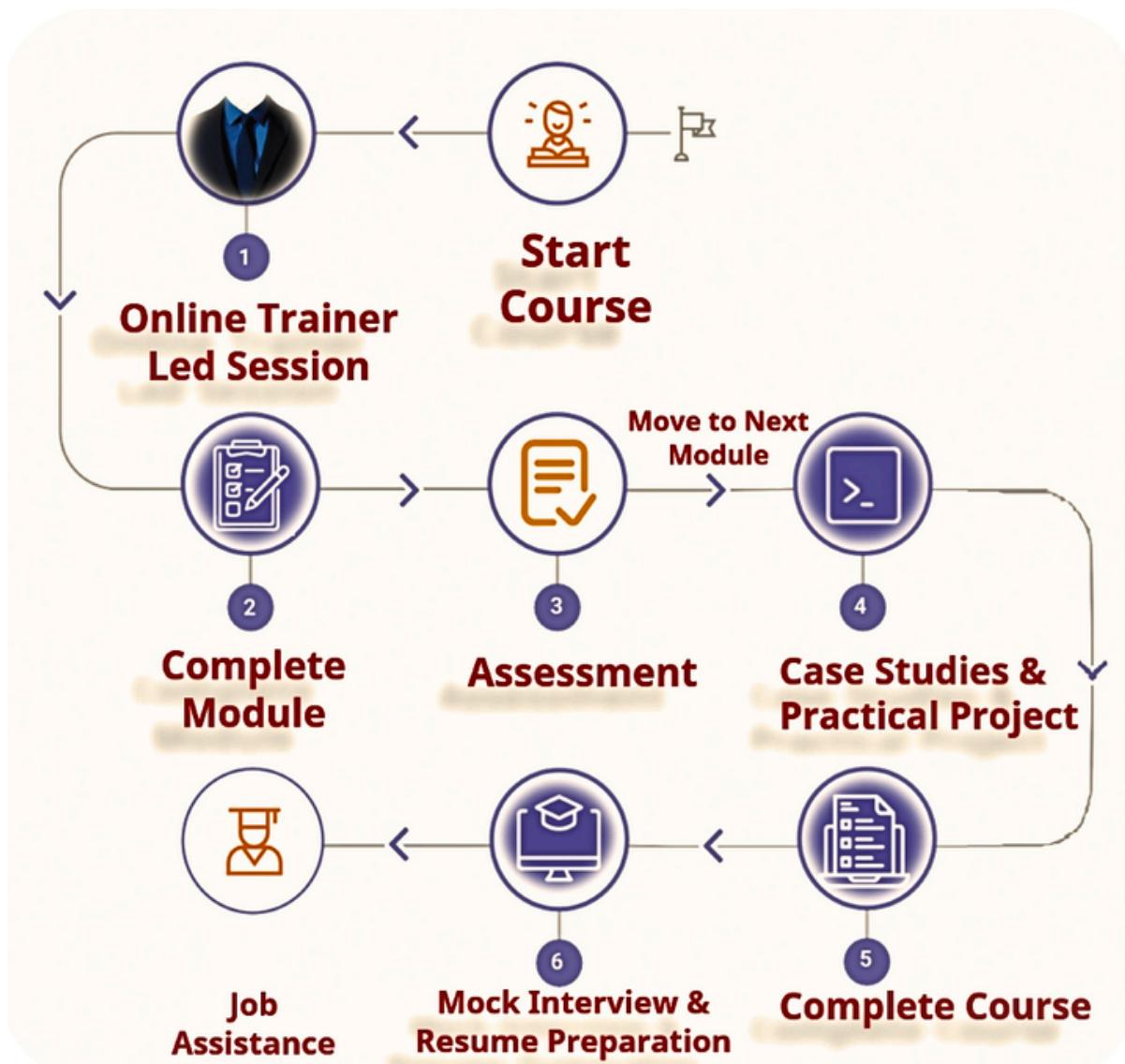
For over 10 years, we've been growing from scratch and today we are on a mission to help the community with our dedication and honesty. Our mission is to provide best knowledge at affordable fee with great quality.

We believe that everyone deserves best and money should not be barrier in learning.



- Ø Affiliation with multiple Certification Board**
- Ø Registered (see Logo)**
- Ø 10+ Years old Edu-Tech Institution**
- Ø Served/Serving 10+ Corporates**
- Ø Trained Professionals from 20+ Countries**
- Ø 510+ Professionals Trained as Business Analysts**
- Ø 350+ Professionals Trained in AWS + DevOps**
- Ø 400+ Agile Certified Professionals**
- Ø 4.8 Rating by 740+ Professionals on Google**
- Ø 2500+ Professionals Trained in Automation**
- Ø 2,800+ (99.8%) Passed ISTQB Professionals**
- Ø 5,800+ Professionals Trained**
- Ø 11,000+ Hours of Training**
- Ø 1,80,000+ Professionals Network**

PROGRAM EXECUTION



COURSE CONTENT

Introduction of Automation Testing

- What is Automation Testing
- Advantages and Disadvantages of Automation Testing

Master in the Core Java concepts

- Basic Java
- JDK installation
 - Java Compiler
 - JRE (some supporting java file and JVM)
- Java is Object Oriented
- Java is Platform Independent o Why platform independent?
- Class
- Object Class
 - Its super class for all classes
- Methods
- Object o Object creation/instantiation
- Constructor
 - Type of constructor and constructor chaining
- Data Types
 - Primitive (int, char, Boolean etc.)
 - Not primitive (class, array)
- Variable Types
 - Local variables
 - Instance variables
 - Class/Static variables



COURSE CONTENT

- **Access Modifiers**
 - **Public**
 - **Private**
 - **Protected**
 - **Default**
 - **Final**
 - **Static**
 - **Abstract**
- **Loop Control** o **for**, **while**, **for each**, **do while**
- **Decision Making** o **if else**, **nested if else**, **switch case**, **continue** and **break**
- **Strings**
- **Arrays**
- **Object Oriented Concepts**
- **Inheritance**
- **Polymorphism**
- **Overloading** o **same class** and **child class**
- **Overriding** o **same class**
- **Abstraction**
- **Interfaces**
- **Encapsulation**

Java Collections

- **List**
- **Set**
- **Map**
- **Exceptions**
- **Checked Exception** o **IOException**, **SQLException**
- **Unchecked Exception** o **ArithmaticException**,
- **NullPointerException**,
- **ArrayIndexOutOfBoundsException**
- **Error** o **OutOfMemoryError**
- **How to handle exceptions**
- **Master in Selenium Web Driver (Web Application Automation)**



COURSE CONTENT

- Browser Launching
- Web Driver Methods
- Navigation Commands
- Locators
- Webelement Methods
- Radio Button
- Handling Multiple Webelements And Auto Suggestion
- Check Box
- Drop Down
- Web Table
- Javascript Executor
- Scroll Up And Scroll Down
- Screenshot
- Mouse Hover Action
- Drag & Drop And Right Click
- Window Handling
- Frame Handling
- Alerts
- Wait
- File Uploading Using Robot Class And Sendkeys
- Broken Links

COURSE CONTENT

Automation Frameworks

- What is Framework
- Page Object Model
- Data Driven Framework
- Cucumber

SOAP UI

- Web services Basics
- What is web service?
- Web Service Example
- Different types of Services: Soap & Rest
- SOAP UI Details What is SOAP UI?
- How SOAUI helps in testing of Web Services
- How to configure services in SOAP UI
- How to use SOAPUI for Web services Automation
- Setup Environment
- Setup SOAPUI Free version
- Setup SOAPUI Pro version
- Free SOAP Web services
- Difference between SOAP and Rest Services
- Advantages of Rest Services over SOAP Services
- Properties at different SOAPUI level
- Global properties
- Project level property
- Test Suite level property
- Test Case level property
- Different Steps in SOAPUI
- Delay test Step
- Groovy Script test Step
- Property test Step

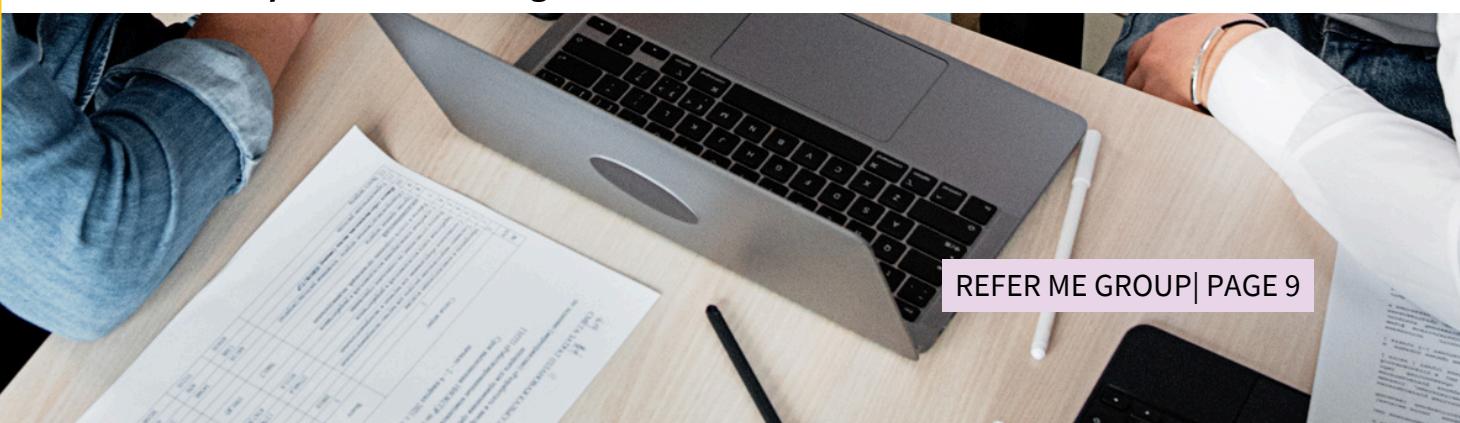


COURSE CONTENT

- **Manual Test Step**
- **Run Test Case Step**
- **Assertion test Step**
- **Parameterization/Data driven test cases**
- **Data Source loop using excel file**
- **Data Sink Step**
- **Data source Loop using Data sink Assertions**
- **Contains Assertion**
- **Not Contains Assertion**
- **Response SLA Assertion**
- **Schema Assertion**
- **Valid Http Code Assertion**
- **Invalid Http Code Assertion**
- **XPath Assertion**
- **XQuery Assertion**
- **Database Connectivity in SOAPUI**
- **JDBC Setup**
- **Soap Web Service Automation (Framework Creation)**
- **Soap Service Automation**
- **Rest Service Automation**
- **Master in Rest Assured (Web API Automation using Java)**
- **Client Server Basics**
- **Client Server Architecture and HTTP Protocol**
- **HTTP Request**
- **HTTP Response**

RESTful Basics

- **What is REST?**
- **Rest Architectural Elements**
- **REST API Testing – Basics**
- **Configure Eclipse with Rest-Assured**
- **REST API Test using Rest Assured**
- **Validate Response Status using Rest Assured**



COURSE CONTENT

- Validate Response Header using Rest Assured
- Read JSON Response Body using Rest Assured
- REST API Testing – Advance
- GET Request using Rest Assured
- POST Request using Rest Assured
- PUT Request using Rest Assured
- DELETE Request using Rest Assured
- RESTAPI Testing Framework
- Complete framework creation using Maven and Jenkins

JMeter

- What is Performance Testing
- Why Performance Testing
- Techniques of Performance Testing
- What is JMeter
- Why JMeter
- Java Installation
- Installation of JMeter
- Overview of JMeter
- Components of JMeter
- Test Plan
- Thread Group
- Sampler
- Controllers
- Listeners
- HTTP Header Manager
- Pre-Processor
- Post Processor
- Parametrization



COURSE CONTENT

Playwright

- Architecture and Environment Setup
- Test Runner
- Build First Test
- Supported Browsers
- Basic Commands
- Variables
- Aliases
- Locators
- Assertions
- Text Verification
- Asynchronous Behavior
- Working with XHR jQuery Checkbox
- Tabs
- Dropdown Alerts
- Child Windows
- Hidden Elements Frames
- Web Tables
- Mouse Actions
- Cookies
- Get and Post
- File Upload
- Data Driven Testing
- Prompt Pop-up Window Dashboards
- Screenshots and Videos Debugging
- Custom Commands Fixtures
- Environment Variables



COURSE CONTENT

Cypress

- **Introduction**
 - Features
 - Disadvantages
- **Architecture and Environment Setup**
 - Difference between Cypress and Selenium
 - Cypress Environment Setup
- **Test Runner**
- **Build First Test**
 - Cypress Folder Structure
 - Structure of a Basic Test
- **Supported Browsers**
 - Execution from Other Browsers
- **Basic Commands**
- **Variables**
- **Aliases**
 - Sharing Context
 - Elements
 - Routes
 - Requests
- **Locators**
 - Rules of CSS expression
- **Assertions**
 - Implicit Assertions
 - Explicit Assertions
 - Other Cypress assertions
- **Text Verification**
 - Asynchronous Behavior
 - Promise
- **Working with XHR**
- **jQuery**
- **Checkbox**
 - Cypress Commands



COURSE CONTENT

- **Tabs**
- **Dropdown**
 - **Dropdown Cypress Commands**
- **Alerts**
- **Child Windows**
- **Hidden Elements**
- **Frames**
- **Web Tables**
- **Mouse Actions**
- **Cookies**
- **Get and Post**
 - **Get Method**
 - **Post Method**
- **File Upload**
- **Data Driven Testing**
- **Prompt Pop-up Window**
- **Dashboards**
 - **Setup Cypress Dashboard**
- **Screenshots and Videos**
 - **Screenshots**
 - **Videos**
- **Debugging**
- **Custom Commands**
- **Fixtures**
- **Environment Variables**
- **Configure Environment Variables**
- **Hooks**
- **TAGS**

ADVANCE COURSE CONTENT

- DevOps
- Jenkins
- Git
- Maven
- Dockers
- Kubernetes



REFER ME GROUP®
HELP & GET GROUP



RISE TO ROAR

150+ SM/PM TRANSFORMATION

200+ OTHER TOOLS/TECHNOLOGIES

350+ PROFESSIONALS TRAINED IN AWS + DEVOPS

400+ AGILE CERTIFIED PROFESSIONALS

510+ BUSINESS ANALYST TRANSFORMATION SUCCESS STORIES

2500+ AUTOMATION TRANSFORMATION SUCCESS STORIES

2800+ (99.8%) PASSED ISTQB PROFESSIONALS

You can also roar



ADD-ON BENEFITS

TRAINING WHATSAPP GROUP

PERSONAL MENTORSHIP

SUPPORT AFTER TRAINING COMPLETION

DEDICATED STAFF DURING TRAINING PROGRAM

LIFE TIME CLASSROOM RECORDED SESSIONS

RESUME PREPARATION

LINKEDIN PROFILE UPDATE

PREMIUM JOB GROUP

OUR NETWORK

10 MILLION+ IMPRESSION ON LINKEDIN

1,20,00+ LINKEDIN CONNECTIONS

12000+ FOLLOWERS ON FACEBOOK PAGE

11000+ PROFESSIONALS ON TELEGRAM JOB GROUPS

15000+ PROFESSIONALS ON WHATSAPP JOB GROUPS

10000+ PROFESSIONALS ON LINKEDIN JOB GROUPS

3500+ FOLLOWERS ON LINKEDIN PAGE

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