



**Tech
Mahindra**

ATA | Automated Test Assurance

Smart Test Design Automation solution

Connected World.
Connected Experiences.

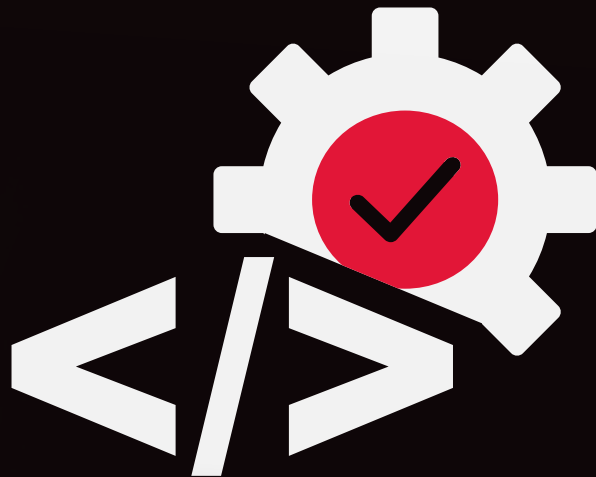
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Introduction

In today's connected world where traditional software testing poses certain challenges including inadequate requirements coverage, incorrect / repetitive or invalid test cases, tight release schedules, complexity involved in test framework migration, or inadequate design documentation, your organization needs a smarter, automated, testing service.

Automated Test Assurance (ATA) is an automated software test designing service provided by Tech Mahindra. Your organization can greatly benefit in progression and regression testing from our test design automation approach.



Business Challenges

- Ambiguity in Requirements and Scenarios
- Lack of standardization in test case definition
- Too Textual Tests; Review Challenges; Minimal Automation in Test Design
- SME Dependencies
- Conflict of Approaches – Model, Template, BDD etc.
- Different tools for different needs
- Scenario Identification to Execution – Lack Zero Touch
- Army of Automation Engineers
- Minimal Open Source Option
- Reuse existing test assets (test cases/scripts)



Features & Benefits

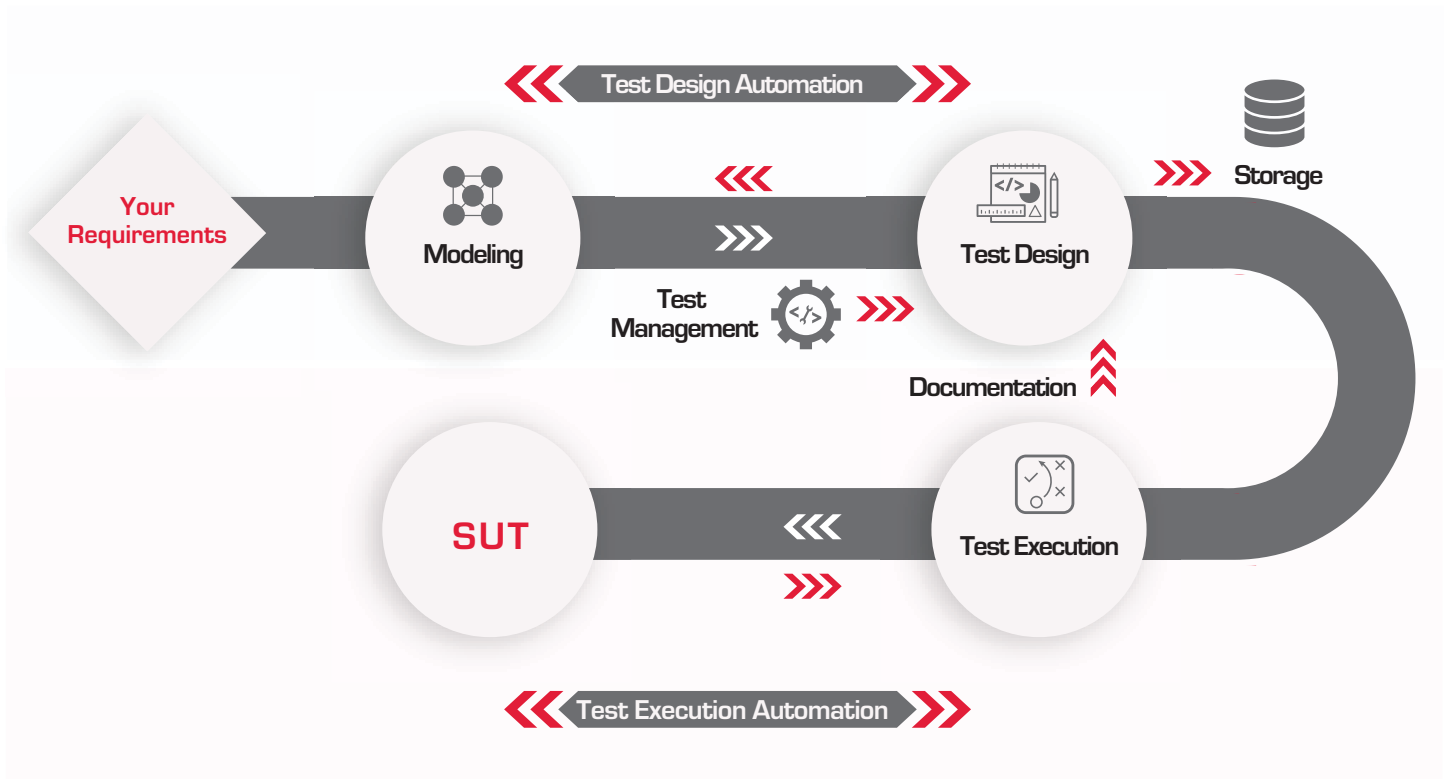
Features

- Ability to automate the creation of test cases, test scripts and test design reports from a system modelling approach
- Ability to auto generate test scripts in multiple formats (eg. in Excel, VB, Java, C#, Perl, Python etc.) , supporting automated execution integrations, with various frameworks, eg with Selenium, UFT etc.
- Ability to auto generate test documentations (Test plans in HTML, Word, PDF format)
- Ability to drive end-to-end test automation process
- Ability to integrate with any Test Management and Modelling tools (QC, Doors, EA, RSA etc.)
- Ability to deliver savings and improvement of up to 5x in terms of time, cost, quality and coverage
- With its system modelling approach, it brings in 100% reusability of test assets
- Reverse Engineers existing test cases/scripts into automated models

Benefits

- Increases test design productivity by upto 3x – 5x
- Reduces Test creation time by upto >50%
- Enables shorter release cycles and faster Go-To-Market
- Enables better defect tracking and correction
- Auto generates automation test scripts in multiple languages (eg. Java, VB, Perl, Excel, Cucumber, etc.)
- Auto generates 100% Test Documentation (eg. in Excel, HTML ,Word, PDF etc formats)
- Supports non-English foreign language test case generation (eg. in French, German etc.)
- Reduces End-to-End testing effort by upto >30%
- Reduces Regression and Change-Request implementation time by upto > 50%
- Easily integrates with any 3rd party Modelling, Test Management and execution automation tools
- Reverse engineers existing test assets (eg. manual excel test cases, automation recordings etc.) into automated models

Architecture



ATA enables and complements End-to-End Test Automation

Advantages

- Pioneers in implementing Model Based Testing approach
- Ready to deploy skilled staff with MBT expertise
- Integration Connectors built for home-grown execution automation tools
- Exceptional functional and domain knowledge in various verticals like Media, Healthcare, Telecom, Finance, Manufacturing, Retail etc.
- Tech Mahindra – MBT tool vendor strong Strategic Alliance



Awards & Accolades received

- Best Automation Award, at the Tech Mahindra Excellence awards, 2019
- Digital Warrior, award at the Tech Mahindra Excellence awards, 2017
- Innovative solution scape, category at the Mahindra Innovation (MI'17) competition
- Innovative solution scape, category at the Mahindra Innovation (MI'15) competition
- Best Vertical Solution of the Year, at the Tech Mahindra Excellence awards, 2015
- Innovative solution scape, category at the Mahindra Innovation (MI'15) competition



Tech Mahindra

Tech Mahindra represents the connected world, offering innovative and customer-centric information technology experiences, enabling Enterprises, Associates and the Society to Rise™. We are a USD 4.9 billion company with 131,500+ professionals across 90 countries, helping 946 global customers including Fortune 500 companies. Our convergent, digital, design experiences, innovation platforms and reusable assets connect across a number of technologies to deliver tangible business value and experiences to our stakeholders. Tech Mahindra is the highest ranked Non-U.S. company in the Forbes Global Digital 100 list (2018) and in the Forbes Fab 50 companies in Asia (2018).

The Mahindra Group is a USD 20.7 billion federation of companies that enables people to rise through innovative mobility solutions, driving rural prosperity, enhancing urban living, nurturing new businesses and fostering communities. It enjoys a leadership position in utility vehicles, information technology, financial services and vacation ownership in India and is the world's largest tractor company, by volume. It also enjoys a strong presence in agri-business, aerospace, commercial vehicles, components, defense, logistics, real estate, renewable energy, speedboats and steel, amongst other businesses. Headquartered in India, Mahindra employs over 2,40,000 people across 100 countries.

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