Quality in Agility
Higher Test Coverage
Reduced Risk
Increased Business Value
Right Equilibrium between Cost, Quality and Time
TEST SCENARIO CREATION
• Large volume of redundant test cases and less reuse
• Manual scenario creation based on business knowledge of individual
• Lack of coverage

IMPACT ANALYSIS
• No visibility of end-to-end application model
• Less scope for automation due to high maintenance
• Leveraging same regression tests

TEST DATA
• Optimum validation using various data combinations
• Exhaustive test data selection
• Managing test data for reusability

DEFECT MANAGEMENT
• Effort-intensive manual root cause analysis
• Unending defect triaging involving multiple stakeholders
• Huge time spent on fixing the issues

TEST SELECTION
• Finding the balance between timeline and right test suite for execution
• How much to test? What to test?
• Need for faster time-to-market impacts quality

Improve release cycle agility through self-healing tests by automatically building test scenarios and automation scripts, and self-healing of the scenarios in case of any changes in software

Increase throughput and reduce cost through autonomous assurance as it involves minimal input and human intervention

Reduce software failure risks through intelligent constraint-based testing autonomously identifies test scenarios based on business impacts in the software

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WHY AI.Assurance?
An Autonomous assurance product that deliver better software faster
**PRODUCT FEATURES**

**AUTONOMOUSLY GENERATE TEST SUITES**
- Autonomous generation of application blueprint
- Autonomous generation of test scenarios
- Autonomous generation of automation scripts

**SELF-HEALING OF TEST SUITES**
- Understands changes in application functionality and corrects application blueprint
- Updates the test scenarios based on application changes
- Generates modified test scripts for the changed test scenarios

**SMART DATA VALIDATION ASSIST**
- Validation / assertion information displayed as assist at screen and field level using-
  - Requirement documentation, Code comments and snippets, User stories, BDD documents and Existing test scripts

**SMART DATA GENERATION**
- Autonomously generates input data for every field in the screen using-
  - Domain and data type understanding, Existing data in test environments, and Human sample inputs
  - Attaches various data combination to test scenarios and builds necessary test cases autonomously

**INTELLIGENT TEST SELECTION**
- Change impact-based testing for rapid regression tests
- Testing of business-critical scenarios
- Comprehensive 100% coverage testing for major releases
- Customized suites for validation of specific functional areas

**INSIGHTFUL DASHBOARDS**
- What is the probability of failure?
- What productivity gains did you get?
- What is the acceleration in time-to-market?
Digitate is a software venture of TCS. Launched in 2015, Digitate’s ignio is an award-winning solution that reimagines enterprise IT operations with its unique and innovative design that blends artificial intelligence, machine learning, and advanced software engineering to quickly and autonomously resolve issues when they arise, and preempt incidents wherever possible. ignio has been adopted by large, global enterprises, mostly Fortune 500 and Global 2000 corporations, which are leaders and innovators in their respective industries. Digitate is headquartered in the heart of the Silicon Valley in Santa Clara, California, USA and Pune, India.

For more information, reach out to us at contact@digitate.com for a demo or visit www.digitate.com.