Infosys’ Functional Test Case Generator addresses the above mentioned challenges by enabling automation during the test planning phase. This helps reduce total effort and cost of projects substantially.

The solution automates the generation of test cases from UML based models which are developed during the design phase. The test cases generated by Infosys’ Functional Test Case Generator can easily be uploaded to standard test management tools. The solution also helps improve the efficiency and effectiveness of the regression testing phases.

**Solution Features**

- Automated generation of test cases in Excel/HTML/Text/XML format
- Solution compatible with models developed in the form of Visio and Rational Rose activity diagrams
- Adopts the concept of "Unit of Behavior" to facilitate validation of requirement specifications
- Impact analysis feature examines change requests thoroughly and ensures improved quality of regression testing
- Ability to prioritize execution of test cases based on criticality to business process

**Solution Benefits**

- Accelerates test case design resulting in 50% reduction in test case preparation effort
- Business Process driven test suite design ensures exhaustive coverage of test scenarios
- Automated generation of regression test cases by comparing successive versions of business models
- Early defect detection enabled through validation of requirement specifications derived from business models
- Standardized quality of test cases ensures compatibility with standard test management tool - HP’s Quality Center
How it Works

4-Step process to effective and efficient generation of test cases

Capture
- Captures enterprise specific business process requirements in the form of models/task flows

Auto-Validate
- Validates requirements by verifying models using in-built rules

Auto-Generate
- Automatically generate test cases in required format

Maintain
- Analyze impact of change requests and automatically regenerate test cases

Success Stories

Infosys successfully leveraged the Functional Test Case Generator for a top 10 commercial bank in the US to reduce test planning phase effort by 55%

Infosys’ Functional Test Case Generator helped model end-to-end scenarios for a global leader in agri-business, reducing the test planning phase effort by 60% and allowing a further 20% reuse of these scenarios in other projects

Allied services

Technology Consulting
We work with you to develop implementable architecture solutions that help you leverage technology to enable business strategy. Our solution helps you achieve a balance between IT Effectiveness and business innovation.

Independent Validation
Gives your applications the third degree treatment and tests their robustness and ability to survive your business growth. A “must have” service if you are serious about long term leverage of your application assets.

Process Consulting
Strong quality processes are the key to delivering reliable, usable software within scope and budget commitments. Infosys can help you put in place robust processes to increase productivity, shrink cycle time and enhance customer satisfaction.

SOA Services
Our SOA Services will help you achieve better Business-IT alignment with clearly defined accountability. They help you build on existing IT investments to achieve process standardization & improve process efficiency.

About Infosys
Many of the world’s most successful organizations rely on Infosys to deliver measurable business value. Infosys provides business consulting, technology, engineering and outsourcing services to help clients in over 30 countries build tomorrow’s enterprise.

For more information about Infosys (NASDAQ INFY), visit www.infosys.com

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