Yethi

Innovation for Quality

CASE STUDY

Finacle Upgrade Testing for a $5.6B Indian Bank

The Client

A leading Indian bank with significant international operations undertaking a major Finacle upgrade from 7.x to 10.x.

The Challenges

The project faced several operational constraints that required careful planning and execution:

- Two-week delay due to unavailable test infrastructure at project initiation
- Approximately 40% environment downtime caused by batch processing activities
- Frequent environment refreshes during multiple UAT cycles requiring repeated test data creation
- Execution of 2,100+ automated test cases within a compressed testing window

Company & Asset Size

- **Headquarters:** Mumbai, India
- **Customer Base:** 56 Million
- **Employees:** 1,24,324
- **Branches:** 7,500+
- **Net Income:** $5.6 billion

Applications Involved

- Finacle Core Banking 7.x
- Finacle Core Banking 10.x
- International Banking Operations
- User Interface (UI/UX) modules

Business Impact

- Reduced regression test execution time from 8 weeks to just 8 days
- Increased execution productivity from 30 to 175 test cases per terminal per day
- Reduced testing team size from 4 resources to 2
- Successfully transitioned the bank's testing approach from manual to automated execution

Scope of Work

Yethi partnered with the bank to automate and accelerate User Acceptance Testing (UAT) for the migration from Finacle 7.x to Finacle 10.x.

The engagement included:

- Migration of manual test cases to automated test cases
- Test data preparation for execution
- Automated UAT execution
- Validation and verification of test results
- Knowledge transfer and training for the bank's operations team on Tenjin automation assets

The Solution

Yethi leveraged Tenjin to deliver an end-to-end automated testing solution that enabled a successful core banking upgrade by:

- Migrating Finacle 7.x manual test assets into reusable Tenjin automation scripts
- Automating both functional and UI/UX validation
- Performing automated validation and result verification
- Identifying defects beyond those detected through manual testing
- Training the bank's international operations team to independently manage and execute automated test assets after project completion

Conclusion

By implementing Tenjin's automated testing platform, the bank significantly accelerated its Finacle upgrade program while improving testing quality and operational efficiency. Despite infrastructure constraints and limited testing windows, the project achieved faster release validation, higher execution productivity, reduced resource dependency, and a sustainable automation framework that the bank's team could continue using for future releases.

About Yethi

Yethi Consulting Pvt Ltd is a leading provider of Quality Assurance, Test Automation, and Payments Modernization solutions for the global banking and financial services sector. Our mission is to ensure the reliability of financial applications, accelerating business success worldwide.

With over a decade of experience, Yethi combines deep domain expertise with a robust library of 1.2 million test cases covering 350+ financial applications. We've successfully delivered 700+ projects for 130+ customers across 30+ countries, offering a comprehensive suite of products, services, and solutions.

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Contact Us

info@yethi.in

India | UAE | USA | Africa