

Case-Study

MANUAL AND AUTOMATED TESTING.



- **Achieved CGMPs (Current Good Manufacturing Procedures compliance**
- **Achieved up to 95% Code Coverage.**
- **Completed Manual and Automated test using JUNIT from Offshore labs exclusively thereby reducing cost of compliance.**

Services used by our clients to achieve compliance and code coverage using a combination of manual and automated test processes.

Want to learn more...
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Case-Study

Problem Statement

Our Client, a software development company based in Rosemont, IL are involved in developing software for the blood bank industry. As a medical device software manufacturer, they are required to perform and document unit testing according to **CGMPs (Current Good Manufacturing Procedures)**. To accomplish this, they required unit testing to be performed according to their software development methodology and Standard Operating Procedures and Policies (SOPP's). Among these requirements include branch testing and code coverage of 100% of the code (or risk assessment of un reached lines of code).

The product was written in Java with EJB architecture modeled in UML.

The key driver to success of this project was the schedule as the project objectives had to be completed before the 15th of May 2007.

Solution

PMAM had bid for the project and won from a select list of top IT companies. The approach followed was to first begin with an in depth understanding of the business and Standard Operating Procedures and Policies. A Team of four was setup and put on board within 15 days of the contract being awarded. A two week training program was conducted for the Offshore team where in the team understood exactly what was required for the business. To ensure that the effort expended on training was not lost due to attrition each of the sessions were recorded and made available to the team. We are proud to claim that all the four members on the team are still on board and are individually proud of their contribution to the project success.

On completion of a detailed technical and business orientation in which the team understood the technology and working of the entire blood bank cycle and how each part of the system linked with the business the team were assigned manual and JUNIT assignments with the above stated core compliance requirement to achieve 100% compliance which was measured by clover.

Advantage

Reduction in cost of testing since the entire team was based offshore the cost of accomplishing the compliance requirement was cut down by more than 60%

Quick start up and turn around time PMAM's experience on Agile methodologies and practices enabled to achieved desired results with a short learning curve.

Ensured Timely delivery PMAM's matured processes backed up with scientific systems and well groomed managers ensured that the project was completed on schedule.

“Do What You Say, Say What You Do”