

## Large Scale Test Automation using Selenium for Higher Education Provider



### BUSINESS REQUIREMENTS



Create a comprehensive, maintainable, enterprise level Automation Suite for web based Learning Management System



Improve product quality by automating all backlog/ regression test cases. Integrate with Jenkins for supporting CI



Script Execution Support for IE, Firefox, Chrome & Independent data cleanup



### OUR SOLUTIONS



Use of Open Source Tool- Selenium



Agile methodology with 4 weeks sprint



SONAR implemented for code violations, adherence to standards



### TOOLS/ TECHNOLOGIES



Test link for test management, Selenium for UI test automation



Jenkins for CI, Git/ Stash for code management



SONAR for Code violations, Redmine for Task tracking



### BUSINESS IMPACT



5000 test cases were validated and updated as per the recent version of the product



Automation accelerated the time to market and caught bugs at a very early stage



Test suite covering all regression scenarios. Additional cases can be easily added to the suite

### ARCHITECTURE/ INTERFACE DIAGRAM

