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## **ABSTRACT**

As software systems evolve, manual software testing becomes more and more difficult, time-consuming, and costly. Therefore tests should be automated to reduce testing efforts. But the introduction of automated testing also introduces new costs, such as maintenance costs for the automated test suites. In order to make automated testing effective and efficient, so that it can reduce overall costs, new techniques and methodologies are required. Software test automation has the capability to decrease the overall cost of testing and improve software quality.

The project report will discuss some of the key benefits of software test automation, the advantages of using Selenium as test tool, a brief description of My webMethods broker; which is the Application Under Test (AUT), implementing the test suite using Screen based concept of automation with Selenium (Java) and then examine the different frameworks used to execute the test suite at Software AG Bangalore Technologies India Pvt Ltd.