

## ABSTRACT

The *Software AG Installer automation* is a java based computer program to automate the installation of the SoftwareAG products, that provides the easy way to test the GUI part of the SoftwareAG installer application on any platform. It has the ability to use inbuilt computer input devices for provide input to that application. Mainly it can automate the GUI testing using a continuous integration system called Jenkins.

The proposed system is to efficiently test the SoftwareAG installer application and to find the defect/bug on it. It checks every GUI components of that application. The organization, *SoftwareAG* wants me to develop a simple, useful yet efficient java program using javaFEST(Fixtures of Easy Software Testing) which could be used to test GUI part of the SoftwareAG Installer to catch the bug on that application.

Followings are the primary objective:

1. Serve as an efficient testing environment for testing the GUI part of the SoftwareAG Installer.
2. Implementing standard input system using inbuilt input devices.
3. Implement an helpful environment for software tester to figure out any type of bug on his/her application.
4. Implement the designed GUI testing environment into a automated system using Jenkins( a continuous integration system) for reduce manual intervention.