

People use test automation because it is reliable, quick also it can increase the depth and scope of tests to help improve software quality. This is the best way to increase the effectiveness, efficiency and coverage of software testing. Once automated tests are created they can easily be repeated and they can be extended to perform some specific tasks which is impossible with manual testing – sitting in front of a computer carefully going through every part of the program, trying every type of inputs and comparing the outputs with the expected one. This process is time consuming during a project since source code often changes and other situations like environments hardware configurations.

Test automation should be used when the test cases need to run repeatedly for a long duration of time. Also when there are changes in the code frequently. This can be used as a test to measure the performance.