# **Why and when do we use test automation?**

* Reason why:

+ Automation test increase dependability: Automation test operate on a strict procedure so it can avoid human error.

+ Reduce testing time: Testers can conduct more test in less time and less effort than manual test.

+ Test reuse: Automation test can be reuse even the software UI change.

+ Programable: Automation test can be programmed to detect more information from the software.

* When:

+ Regression testing: For re-testing preexisting application functions that are being carried forward to new versions

+ Smoke testing: When making the veryfication that software is ready for functional test

+ Static & Repetitive Tests: For automating testing tasks that are repetitive and relatively similar from one test cycle to the next

+ Data Driven Testing: For testing application functions where the samefunctions needs to be validated with lots of different inputs & large data sets

+ Load & Performance Testing: There are no viable option to perform these tests manualy