

# Software Testing & Quality Assurance

**Roll No: 22BCE501**

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**Practical 10 : To demonstrate the testing of mobile applications using Katalon tool.**

**What is Katalon testing?**

Katalon is an automated testing tool that supports both web and mobile application testing. It offers a comprehensive testing solution for functional and API testing, as well as the ability to perform cross-browser and cross-device testing. Built on top of the Selenium and Appium frameworks, Katalon is designed to make automated testing more accessible and efficient, even for testers who may not have extensive programming skills.

1. **User-Friendly Interface:** Katalon has a simple interface that supports both script-based and codeless testing, allowing users with different technical skills to create and manage automated tests.
2. **Support for Multiple Platforms:** It supports web, mobile (iOS and Android), desktop, and API testing within a single tool.
3. **Integration with CI/CD Pipelines:** Katalon integrates well with CI/CD tools like Jenkins, Git, and Jira, enabling continuous testing.
4. **Built-in Test Reporting:** It has built-in reporting tools to help track and analyze test results, making it easier to identify issues quickly.
5. **Data-Driven Testing:** Katalon allows data-driven testing, enabling testers to run tests with different sets of data inputs, which is essential for robust testing coverage.

Download link for node.js:- <https://nodejs.org/en/download/prebuilt-installer/current>

Katalon installation link :- <https://docs.katalon.com/katalon-studio/cookbooks/mobile-testing-cookbook/mobile-testing-on-a-real-android-device>

Video referemce link :- <https://www.youtube.com/watch?v=qsFXyUNiQFg>