

This Project is developed using react-native.

To Run The Project:

Install node

Then run 'npm i'

Then run 'npx react-native run-android'

NOTE: Before running 'npx react-native run-android' make sure that the android device is connected to the system with usb debugging enabled

Explanation of the App:

The app has only a single screen, it consists of a button. When the button is pressed the data collection starts and the app reads the data continuously from the accelerometer and gyroscope. Please perform the activities that are displayed in the app to get the accurate dataset. The data collection goes on for 5 mins.

While data collection is going on the button will be disabled. And when the data completion is finished a csv file will be created and it will be **locally saved on the local android device in the download folder**. When we press the stop button, the service and the data collection is stopped and the app is closed.

Preprocessing of Data:

The data is segmented for each activity in a two seconds window using the timestamp. The csv file that is generated from android doesn't contain the inactive or idle period so no need to remove the idle period.