Instructions On How to Replicate the Project:

1) Install Wokwi simulator

2) Create new project and deploy the code **main.py and diagram.json** form "**wokwi coding**" folder in GitHub.

3) Create Firebase console account

4) Create new project and chose **Authentication, App Check, Real-Time Database, Storage and Hosting** services and start them.

5) Create a web app, copy the **URL and API key** and past it on wokwi main.py and run the wokwi simulator

6) The Real-time database will show the Distance and noise level from wokwi in firebase.

7) Install Visual studio and Node.js

8) Install the extensions in **visual studio such as HTML, CSS, Java script, PlatformIO and Json and Firebase Arduino Client Library for ESP8266 and ESP32.**

9) Create a folder

10) Deploy "**mobile app UF_NPM coding folder**" from GitHub into the newly created folder, Use "firebase deploy" commend to deploy it in the window

11) Create a zip file of that folder

12) Create voltbuilder account and click upload, upload the zip file into the voltbuilder.

13) The Mobile app QR code and URL will be visible, Use anyone of that to install the mobile app in android devices.