

Team project idea

Our project idea is to use an air quality sensor which will send its data periodically to the cloud (using firebase). If the air quality in an area will pass a certain threshold, it will send some notifications by email to some “admins” (preconfigured recipients). Also, it will be able to alert nearby people through the nearby API.

On the mobile phone the companion app will be able to see some historical data of the air quality (last x records organized) as well as being able to see the instant data (the value of the sensor in real time).

Maybe as an extra feature we could add some LEDs of different colors (green, red, orange for example) of which one will be open to see the “quality” without a companion app (green=good, red=bad, orange=moderate for example).