User Centric Pollution Alert System

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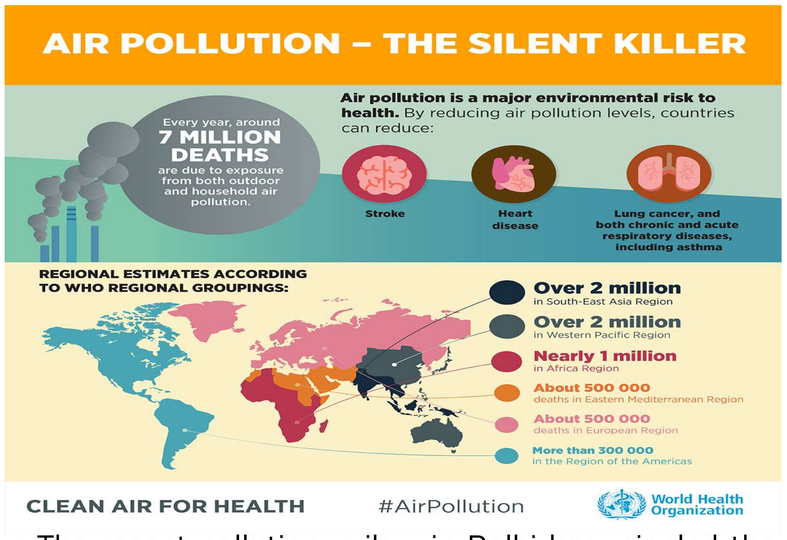
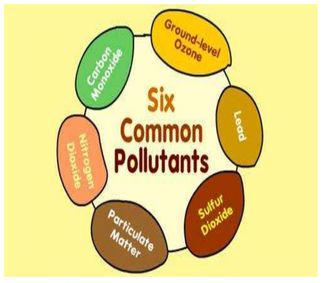
■Server to store data

- A server instance set up to capture the pollution levels.
- The pollution levels at each area can be distributed to the users from here.

■Motivation



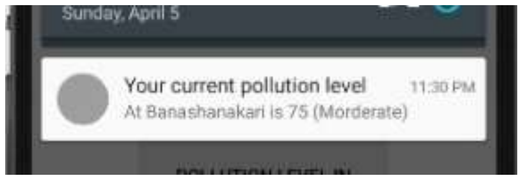
- The recent pollution spikes in Delhi has crippled the daily lives of people.
- High levels of these pollutants can cause immediate and long term health problems
- Regularly measuring and monitoring the pollutant levels in the area, can keep track of the increasing pollutant levels , and raise awareness.

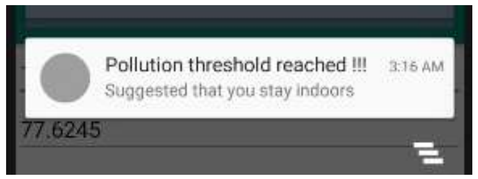


AQI Level above 200	AQI Level between 100 and 200	AQI Level below 100

■Features of the App

- The Application provides alerts to users about highly polluted areas.
- Warns with a notification when the user's threshold to pollution has reached.
- Suggest routes, which are have the least pollution as compared to the other routes.

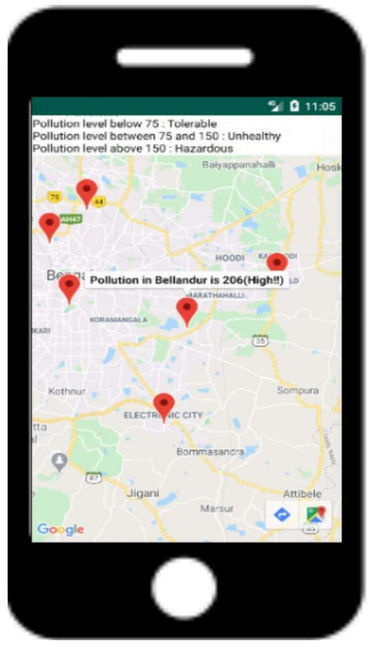


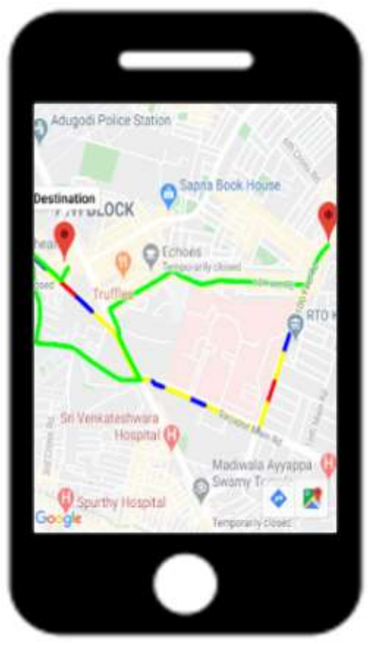


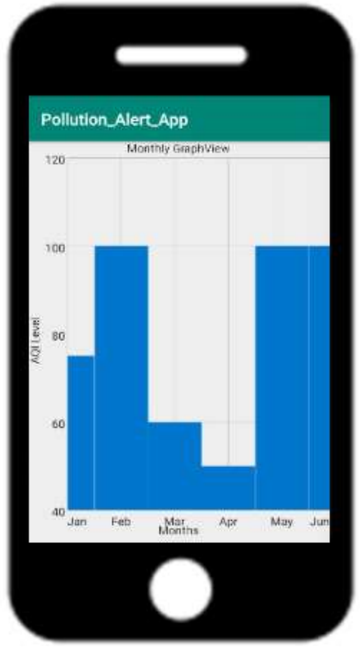
- A few visualizations , to keep the user in check of the pollution intake daily and monthly

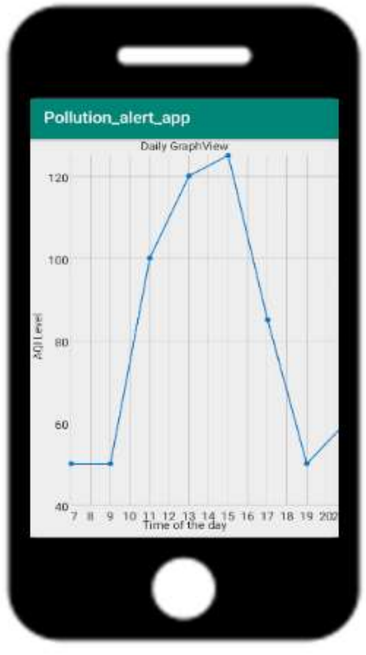
■Monitoring System

- To measure the pollution in different areas, rather than using a static device, a mobile device which the user can carry , can be more accurate .
- Sensors integrated with a GSM module can be used as the hardware









■Flow Diagram