AIR QUALITY MONITORING

PROJECT DEFINITION:

It refers to continuous measurement of specific air pollutants.It is basically the gathering the amount of potential air pollutants and analysing the scenario.

DESIGN THINKING:

1.PROJECT OBJECTIVES:

- To continuously analyse the surrounding air for harmful pollutants.
- To measure the amount of different pollutants in the air.
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2.IOT DEVICES DESIGNS:

The main devices used are sensors that detect the amount of air pollutants.
And some of the sensors used to do so are:

- Ammonia sensor
- Carbon monoxide sensor
- Electrochemical VOC sensors
- Hydrogen Sulphide sensors
- Nitric oxide sensors
- Nitrogen dioxide sensors
- Ozone sensors
- AQI sensors

3.DATA SHARING PLATFORM:

4.INTEGRATION APPROACH:

The approach can be done by sending the data collected by the sensors to the data sharing platforms which are then analysed by certain analysing tools(like python) and the validation is made.

This is a brief explanation of the approach that can be taken to monitor the air quality.