PHASE – 2

PROJECT TITLE : AIR QUALITY MONITORING

Data collection :

Gather historical air quality data from the MQ135 and other relevant sensors. This dataset should include parameters such as carbon di oxide(co2) levels ,volatile organic compound (VOCs), PM2.5(particles pollution from fine), Nitrogen di oxide(NO2), sulfur di oxide(so2), concentration as well as meteorological data like temperature, humidity and wind speed .

Primary component in air :

1. Nitrogen (N2) : Approximately - 78%
2. Oxygen (O2) : Approximately – 21% of the atmosphere
3. Argon (Ar) : 0.93% of the atmosphere
4. Carbon di oxide (CO2) : around 0.04%

Data Processing :

Normalize and scale the data to ensure all variable are on the same range.

Real time data integration :

Implement a system that continuously collect real time (or) near real time air quality data from monitoring station and integrates it with the historical dataset.

Alerts and actions :

Setup alert for different air quality levels and define action to be taken when certain threshold are crossed ,for example ,if the model predict poor air quality for the next day the system can triggered action like incase ventilation , air purification, or issuing health advisories.

S.NO:	NAME	NAAN MUDHALVAN ID	EMAIL ID
1.	Nivesh.R	au820321106029	nivesheceece@gmail.com
2.	Raghulgandh.R	au820321106030	raghulgandh4@gmail.com
3.	Shyam Vasiharan. M	au820321106035	shyamvasiharan@gmail.com
4.	Vishnuprakash.S	au820321106040	alpvishnu00@gmail.com