**Project Synopsis**

**Group Members:**

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**Title:** Evaluating the Impact of Vehicular and Industrial Activities on AQI: Insights from AQI Improvements During COVID-19 Lockdowns

**Synopsis:**

This project aims to evaluate the effects of vehicular and industrial activities on air quality, with a particular focus on analysing improvements in the Air Quality Index (AQI) during the COVID-19 lockdowns. The lockdown period serves as a natural experiment that demonstrates how reduced human activity can significantly improve AQI, offering valuable insights into the impact of emissions from vehicles and industries on environment.

The project will analyse AQI data from before, during, and after the lockdown, interpret the results, and propose strategies to improve air quality in a sustainable manner. Based on these findings, we will propose policies aimed at reducing emissions from vehicular and industrial activities. Furthermore, we will assess the economic costs associated with implementing these emission-reducing policies, providing a comprehensive understanding of the financial implications involved in improving air quality sustainably.

By providing a detailed analysis of the relationship between industrial and vehicular activities and air quality, the project will contribute to developing more effective strategies to mitigate air pollution in the future.