

Model Development Phase

Date	10 June 2024
Team ID	739763
Project Title	Air Quality Index Analyzer using ML
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
PM2.5	Particulate matter with a diameter < 2.5 μm	Yes	Critical indicator of air quality.
PM10	Particulate matter with a diameter < 10	Yes	Influences respiratory health.
NO2	Nitrogen dioxide concentration	Yes	Common pollutant from vehicle emissions.

SO2	Sulfur dioxide concentration	Yes	Results from industrial processes.
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CO	Carbon monoxide concentration	Yes	Harmful to human health.
NO	Nitric oxide	Yes	Affects pollutant levels and dispersion.
Toluene	Geographic	Yes	Specific to regions pollution levels.