**Model Development Phase Template**

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| Date | 1 May 2024 |
| Team ID | 737820 |
| Project Title | EcoForecast: AI-Powered Prediction Of Carbon Monoxide Levels |
| 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.

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| **Feature** | **Description** | **Selected (Yes/No)** | **Reasoning** |
| Year | The year in which the data was recorded. | Yes | Capture yearly trends in carbon monoxide levels for long-term insights and policy adjustments. |
| Month | The month of the year in which the data was recorded. | Yes | Account for seasonal variations influencing carbon monoxide levels. |
| Day | The day of the month in which the data was recorded. | yes | Capture daily fluctuations due to factors like traffic and industrial activity. |
| Hour | The hour of the day in which the data was recorded. | Yes | Account for diurnal patterns in carbon monoxide levels, aiding in timely public health alerts and urban planning. |
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