**Model Development Phase Template**

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| Date | 03 july 2024 |
| Team ID | 740149 |
| Project Title | Predicting CO2 emissions by countries using machine learning |
| 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** |
| Country name | Name of the country | Yes | Necessary for identifying which country the co2 emissions data pertains to |
| Country code | Unique identifier for each country | Yes | Useful for data merging and consistency in identifying countries across different datasets |
| Indicator name | Name of the indicator | yes | Essentail for understanding what the value represents |
| Indicator code | Unique code for the indicator | no | Not necessary for analysis; the indicator name suffices |

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| year | Year of the data point | yes | Required for trend analysis and time series forecasting. |
| value | Co2 emissions value | yes | Core data for analysis , as it represents the co2 emissions to be predicted. |