**Data Collection and Preprocessing Phase**

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| Date | 14 June 2025 |
| Team ID | SWTID1749709340 |
| Project Title | Predicting Co2 Emission by countries Using Machine Learning |
| Maximum Marks | 2 Marks |

**Data Quality Report Template**

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

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| **Data Source** | **Data Quality Issue** | **Severity** | **Resolution Plan** |
| [Exploring Co2 emission](https://www.kaggle.com/code/ashukr/exploring-co2-emission/input?select=Indicators.csv) | Large Dataset with Shape: (5656458, 6). | High | Extracted a random subset of 1 lakh sample from the original dataset to reduce training time, and implemented advanced machine learning models like Random Forest for good accuracy |
| [Exploring Co2 emission](https://www.kaggle.com/code/ashukr/exploring-co2-emission/input?select=Indicators.csv) | Large number of categorical columns | Moderate | Used One-Hot Encoding for encoding categorical columns like CountryName, CountryCode, IndicatorName and IndicatorCode |