**Data Collection and Preprocessing Phase**

|  |  |
| --- | --- |
| Date | 9 July 2024 |
| Team ID | SWTID1720162737 |
| Project Title | Predicting Compressive Strength Of Concrete Using Machine Learning. |
| Maximum Marks | 6 Marks |

**Data Exploration and Preprocessing Template**

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

|  |  |
| --- | --- |
| **Section** | **Description** |
| Data Overview | **Dimensions:**  **Descriptive statistics:** |
| Univariate Analysis |  |
| Bivariate Analysis | Correlation:    Scatter plots: |
| Multivariate Analysis |  |
| Outliers and Anomalies | With Outliers  Without outliers: |
| **Data Preprocessing Code Screenshots** | |
| Loading Data |  |
| Handling Missing Data | But it is not necessary cause we don’t have any missed values in the data set. |
| Data Transformation |  |
| Feature Engineering | Attached the codes in final submission. |
| Save Processed Data |  |