

## Data Collection and Preprocessing Phase

Date	13-01-2026
Team ID	
Project Title	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	3 Marks

### Data Quality Report

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.

Data Source	Data Quality Issue	Severity	Resolution Plan
Plant Growth Dataset (Kaggle)	No missing values were found in the dataset.	Low	Verified all columns in Power BI using Power Query and confirmed that there were no null or blank values.
Plant Growth Dataset (Kaggle)	No duplicate records detected in the dataset.	Low	Checked for duplicate rows in Power Query using “Remove Duplicates” option to validate uniqueness.
Plant Growth Dataset (Kaggle)	Categorical values required validation (Soil	Moderate	Verified and standardized categorical values using Power

	Type, Fertilizer Type, Water Frequency).		Query filtering to ensure consistency.
Plant Growth Dataset (Kaggle)	Numerical values required range validation (Temperature, Humidity, Sunlight Hours).	Moderate	Performed range checks to ensure numerical values fall within realistic environmental limits.
Plant Growth Dataset (Kaggle)	Growth milestone interpretation needed clarity for analysis.	Low	Created calculated columns and DAX measures to standardize growth milestone representation for visualization.