Data Collection and Preprocessing Phase

Date	23 July 2025
Team ID	xxxxxx
Project Title	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification

Elevate our data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan

Section	Description
Project Overview	The project titled "Predicting Plant Growth Stages with Environmental and Management Data Using Power BI" focuses on leveraging data analytics and visualization to enhance agricultural decision-making by predicting plant growth stages based on key environmental and management factors.
Sources	Kaggle.
Raw Data Sources Identified	The "plant_growth_data.csv" dataset is designed to support the prediction and analysis of plant growth stages based on a combination of environmental and management factors. The data helps in understanding

	how factors like soil, sunlight, watering, fertilizer, temperature, and humidity interact to influence plant growth.

Raw Data Sources

Source Name	Description	Location/URL	Format	Size	Access Permissions
plant_growth_data.csv	The "plant_growth_data.csv " dataset contains environmental and management factors influencing plant growth, such as soil type, sunlight hours, watering frequency, fertilizer type, temperature, and humidity .	https://www.kaggle.com/datasets/gororororo23/plant-growth-data-classification	CSV	11.49 KB	Public