Data Collection and Preprocessing Phase

Date	25 july 2025
Team ID	Samant saini
Project Title	**Predicting Plant Growth Stages With Environmental And Management**
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your 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 Template

Section	Description
Project Overview	This project aims to analyze environmental and management data to predict plant growth stages using Power BI. The key objective is to optimize plant health and productivity through data-driven insights.
Data Collection Plan	The dataset was sourced from Kaggle, a trusted platform for public datasets. It provides real-world agricultural data suitable for classification and analysis tasks.
Raw Data Sources Identified	**Kaggle Dataset**: Plant Growth Data - Classification — contains features like soil type, sunlight, temperature, humidity, fertilizer, and watering frequency.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	Contains data related to plant growth stages based on environmental and management variables like sunlight, soil type, fertilizer, temperature, and humidity.	https://www.kaggle.com/datasets/gorororororo23/plant-growth-data-classification	excel	~0.05 GB	Public
Dataset 2	Includes a dataset on different plant types with features like water frequency, fertilizer	https://www.kaggle.com/datasets/manutrex78/plant-healt-	Excel	~0.02 GB	public

	type, growth stage, and other environmental inputs.	dataset			
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