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	2 Marks

Data Collection Plan & Raw Data Sources Identification

Data Collection Plan

Section	Description
Project Overview	This project focuses on analyzing plant growth stages using environmental and management data. The objective is to identify optimal conditions such as soil type, water frequency, sunlight hours, temperature, humidity, and fertilizer type that influence plant growth milestones. Power BI is used to analyze the data and present insights through interactive dashboards and visualizations.
Data Collection Plan	The data for this project is collected from publicly available online sources. The primary dataset is obtained from the Kaggle platform, which provides structured plant growth data in CSV format. The dataset is downloaded manually and loaded into Power BI Desktop for analysis and visualization.
Raw Data Sources Identified	The raw data source used in this project contains environmental and plant management attributes related to plant growth classification. It includes both numerical and categorical data required to analyze growth milestones and environmental impact on plant development.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Plant Growth Data Classification Dataset	Contains environmental and management factors such as soil type, sunlight hours, water frequency, fertilizer type, temperature, humidity, and growth milestone information for plants.	https://www.kaggle.com/datasets/gorororororo23/plant-growth-data-classification	CSV	< 1 MB	Public