

Initial Project Planning Template

Date	15 dec 2025
Team ID	SWUID20250236463
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Project Title: Predicting Plant Growth Stages with Environmental and Management Data Using Power BI

Team Size: 1

Team Member: Team Member 1

Project Duration: 15 December 2025 to 23 December 2025

Product Backlog and Sprint Plan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection & Understanding	USN-1	As a data analyst, I want to collect and understand plant growth data so that all required environmental and management attributes are available for analysis.	2	High	Team Member 1	15 Dec 2025	16 Dec 2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Preparation	USN-2	As a data analyst, I want to clean and preprocess the dataset using Power Query so that the data is accurate and ready for visualization.	3	High	Team Member 1	16 Dec 2025	17 Dec 2025
Sprint-1	Data Modeling	USN-3	As a data analyst, I want to create calculated columns and measures so that plant growth milestones can be analyzed effectively.	2	High	Team Member 1	17 Dec 2025	18 Dec 2025
Sprint-2	Data Visualization	USN-4	As a user, I want to view growth milestone counts and averages through charts and graphs so that I can understand the impact of soil, water, and fertilizer.	3	High	Team Member 1	18 Dec 2025	20 Dec 2025
Sprint-2	Decomposition Tree Analysis	USN-5	As a user, I want to analyze growth milestones using a decomposition tree so that contributing environmental factors can be identified easily.	2	Medium	Team Member 1	20 Dec 2025	21 Dec 2025
Sprint-2	Dashboard Development	USN-6	As a user, I want an interactive dashboard with filters and KPIs so that plant growth insights can be explored efficiently.	3	High	Team Member 1	21 Dec 2025	22 Dec 2025
Sprint-3	Documentation & Demonstration	USN-7	As a project owner, I want complete documentation and a demonstration video so	2	High	Team Member 1	22 Dec 2025	23 Dec 2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
			that the project can be reviewed and evaluated successfully.					