

Initial Project Planning



Date	28-07-2025
Team ID	HK
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

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 & Preparation	USN-1	As a user, I want the data to be collected from reliable agricultural sources so that it reflects realistic conditions.	3	High	Self	21-072025	21-07-2025
Sprint-1	Data Cleaning	USN-2	As a user, I want missing and duplicate data to be cleaned, ensuring that the dataset is accurate.	2	High	Self	22-072025	23-07-2025

Sprint-2	Data Modelling	USN-3	As a user, I want relationships between data tables to be clearly defined, so I can analyse them in Power BI.	3	Medium	Self	24-072025	24-07-2025
Sprint-2	Dashboard Design	USN-4	As a user, I want to view plant growth performance by soil type, fertilizer, and irrigation via an interactive dashboard.	4	High	Self	24-072025	27-07-2025
Sprint-3	Smart Insights & Recommendations	USN-5	As a user, I want the system to recommend best growth conditions based on key influencers.	3	Medium	Self	27-072025	27-07-2025
Sprint-3	Dashboard Testing	USN-6	As a user, I want to ensure the dashboard is error-free and filters work as expected.	2	Medium	Self	27-072025	27-07-2025
Sprint-4	Project Documentation	USN-7	As a user, I want complete documentation for my Power BI solution, so it can be reviewed or reused.	2	Medium	Self	28-072025	28-07-2025
Sprint-4	Final Presentation	USN-8	As a user, I want a summarized report and visuals to be ready for final evaluation.	2	High	Self	28-072025	28-07-2025