Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 March 2025
Team ID	PNT2025TMID06851
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI.
Maximum Marks	5 Marks

Project Planning Phase :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection and Integration.	USN-1	Gather relevant environmental data, including temperature, humidity, soil moisture, and light levels.	7	High	Krishna vamsi
	Data Preperation	USN-2	Cleans the collected data for analysis.	8	High	Nagaraju, Krishna vamsi
Sprint-2	Data Analysis and Modeling	USN-3	Utilize Power BI's analytical tools to explore relationships between environmental factors and plant growth stages.	5	Low	Krishna Sai
	Visualization Developnment	USN-4	Create interactive visualization for key metrics	6	Medium	Krishna vamsi, Nagaraju
	Dashboard Design	USN-5	Design user-friendly interfaces that allow stakeholders to easily access and interpret data	8	High	Krishna vamsi

Sprint	Phase	USN	Description	Story Points	Priority	Assigned To
			Incorporate visual elements such as charts, graphs, and maps to represent data effectively.			Nagaraju
Sprint-3	Implementation	USN-6	Provide training and support to users to ensure they can effectively utilize the dashboards for decision-making	7	Medium	Nagaraju , Haneesh
	Feedback		Gather feedback from stakeholder on initial dashboard	6	Medium	Haneesh, Krishna sai
	Evaluation and Continuous Improvement	USN-7	Analyze user engagement with the dashboards and gather feedback for enhancements. Foster a culture of data-driven decision-making within the organization to maximize the benefits of the project.	9	High	Krishna vamsi, Nagaraju, Haneesh, Krishna sai

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	21	10 Days	22 Feb 2025	03 March 2025	22	03 March 2025
Sprint-2	20	10 Days	04 March 2025	13 March 2025	21	13 March 2025

Sprint-3	15	3 Days	13 March 2025	14 March 2025	14	14 March 2025

Velocity:

Total Story Points Completed : 56

Total Number of Sprints = 3

Velocity = Total Story Points / Number of Sprints

Velocity = 56 / 3 = 18.66

Burndown Chart:

A burn chart is graphical representation of work left do versus time. It is often used in agile software development methodologies such as Scrum. Burn down charts be applied to any project containing measurable progress over time.

Sprint	Day	Total Story Points	Story points Completed	Remaining Story Points
1	1	56	0	56
	2	56	0	56
	3	56	0	56
	4	56	0	56
	5	56	0	56
	6	56	0	56
	7	56	0	56
	8	56	0	56
	9	56	0	56
	10	56	21	35
2	1	56	21	35
	2	56	21	35
	3	56	21	35
	4	56	21	35
	5	56	21	35

	6	56	21	35
	7	56	21	35
	8	56	21	35
	9	56	21	35
	10	56	20	15
3	1	56	15	15
	2	56	15	15
	3	56	15	15
	4	56	15	15
	5	56	15	15
	6	56	15	15
	7	56	15	15
	8	56	15	15
	9	56	15	15
	10	56	15	0