Project Planning Phase

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

Date	15 February 2025
Team ID	PNT2025TMID06943
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power Bi
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	7	High	Akash Nimma
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	8	High	Peddi Pavan Kumar
Sprint-2		USN-3	As a user, I can register for the application through Facebook	5	Low	Vinnakota Mani Bhanu Raneendra

Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	T.Naga pramod
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Nimma Akash
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-4	Dashboard	US N-6	Create board using tool	3	High	Peddi Pavan Kumar
Sprint-3	Model Development	US N-7	Train Priditive Model	5	High	Vinnakota Mani Bhanu Raneendra
Sprint-4	Visualization	US N-8	Create Power BI dashboard	4	High	T.Naga pramod

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	20	6 Days	2 Feb 2025	7 Feb 2025	20	29 Oct 2022
Sprint-2	20	6 Days	7Feb 2025	12 Feb 2025	20	05 Nov 2022

Sprint-3	20	6 Days	12Feb 2025	17Feb 2025	TBD	TBD
Sprint-4	20	6 Days	17Feb 2025	22 Feb 2025	TBD	TBD

Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$