Project Planning Phase

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

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.	2	High	P. Mohan Rao
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	P. Mahaboob Basha Khan
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Sk. Zaheer Sami
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	V. Samba Siva Rao

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	P. Mohan Rao

Date	15 February 2025
Team ID	PNT2025TMID06970
Project Name	Prediction plant growth stages with environment 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-4	Dashboard	US N-6	Creatr board using tool	3	High	P. Mahaboob Basha Khan
Sprint-3	Model Development	US N-7	Train Priditive Model	5	High	Sk. Zaheer Sami
Sprint-4	Visualization	US N-8	Create Power BI dashboard	4	High	V. Samba Siva Rao

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	24 Oct 2022	29 Oct 2022	20	23 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	30	12 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	39	16 Nov 2023
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	23	23 Des 2024
Sprint-5	30	6 Days	1 Jan 2023	12 Nov 2023	23	3 Jan 2025
Sprint-6	40	6 Days	23 May 20224	23 Des 2024	23	5 Feb 2025

Sprint-7	50	6 Days	30 oct 2024	4 jan 2025	43	8 Feb 2025
Sprint-8	40	6 Days	2 Feb 2025	5 Feb 2025	20	10 Feb 2025

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)

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