Project Planning Phase

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

Date	23 March 2025
Team ID	PNT2025TMID06908
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-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	tohit
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	rohan
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Ayush
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Tanuja
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Rohan

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	Tohit
Sprint-3	Model Development	US N-7	Train Priditive Model	5	High	Ayush
Sprint-4	Visualization	US N-8	Create Power BI dashboard	4	High	Tanuja

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	30	19 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	39	12 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	4 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	9 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)

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