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

Date	19 October 2022
Team ID	PNT2022TMID01028
Project Name	SMART FARMER IOT ENABLED SMART FARMING APPLICATION SYSTEM
Maximum Marks	8 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	KALAI KAVIYA.V.B
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	KALAI KAVIYA.V.B
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	KALAIKAVIYA.V.B
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	KUMUDHA PRIYA.T.P
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	KUMUDHA PRIYA.T.P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard	USN-6	As a user, I can log into the application by entering email & password and access all the resources and services available	2	High	KUMUDHA PRIYA.T.P
Sprint-2	Login	USN-1	As a weather data controller, I log into my profile and start monitoring the weather updates	3	High	KALAI KAVIYA.V.B
Sprint-2	Dashboard	USN-2	I receive all the information about weather from web from weather API. Whenever there is change in weather, corresponding updates are made on sign boards.	2	Medium	KUMUDHA PRIYA.T.P
Sprint-3	Login	USN-1	As a image controller, I keep note of all the images received from various areas and detect traffic in that particular area.	3	High	KALAI KAVIYA.V.B
Sprint-3	Dashboard	USN-2	With the traffic, updates I change the status of sign board as "take diversion".	2	Medium	KUMUDHA PRIYA.T.P
Sprint-4	Login	USN-1	As a zonal officer, I ensure that boards near school display "slow down" and near hospitals display "no horn".	3	High	KALAI KAVIYA V.B
Sprint-4	Login	USN-1	As an administrator, I ensure that all departments work co-ordinated and ensure the accuracy and efficiency.	2	Medium	KALAI KAVIYA.V.B

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		

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-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

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)

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