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

Date	11 NOVEMBER 2022
Team ID	PNT2022TMID01185
Project Name	SMART FARMER IOT ENABLED SMART FARMING APPLICATION SYSTEM
Maximum Marks	8 Marks

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

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	THANOJ KR
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	THANOJ KR
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	SHAHUL HAMEED J
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	VIVEK ANAND S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	SHAHUL HAMEED J

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	SHAHUL HAMEED J	
Sprint-2	Login	USN-1	As a weather data controller, I log into my profile and start monitoring the weather updates	3	High	THANOJ KR	
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	VISWA BHARATH G V	
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	THANOJ KR	
Sprint-3	Dashboard	USN-2	With the traffic, updates I change the status of sign board as "take diversion".	2	Medium	VISWA BHARATH G V	
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	VISWA BHARATH G V	
Sprint-4	Login	USN-1	As an administrator, I ensure that all departments work coordinated and ensure the accuracy and efficiency.		Medium	VIVEK ANAND S	

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)

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