Project Planning Phase

Project Planning (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	08 November 2022
Team ID	PNT2022TMID40222
Project Name	Project - SmartFarmer - IoT Enabled Smart Farming Application
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	Control of motor and Lights	USN-1	As a user, I want to control the Motor and lights using android application.	2	High	
Sprint-2	Control of Traps and Gate valves	USN-2	As a user, I want to control the traps and gate valves using mobile app.	1	High	
Sprint-3		USN-3	As a user, I want to monitor RYB phase using mobile app	2	Low	
Sprint-4		USN-4	As a user, I can access all the above things by using android app and web application	2	Medium	

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	4 Days	24 Oct 2022	27 Oct 2022	20	29 Oct 2022
Sprint-2	20	4 Days	28 Oct 2022	03 Nov 2022		
Sprint-3	20	2 Days	04 Nov 2022	05 Nov 2022		
Sprint-4	20	3Days	06 Nov 2022	08 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)

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