Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID13531
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
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	Menagha
Sprint-1		USN-1	As a user, I will receive confirmation email once I haveregistered for the application.	1	Medium	Menagha
Sprint-1		USN-1	As a user, I can register for the application through Gmail.	1	High	Menagha
Sprint-2	Login	USN-2	As a user, I can log into the application by entering email& password.	1	High	Nisha
Sprint-3	Dashboard	USN-2	As a user, I can access my dashboard through the url provided.			Ramya
Sprint-4	Schedulingappointments	USN-4	During this interaction, the farmercollects basic information about the fieldand the climatic condition. With thisinformation, the farmer can cultivate the crop in the field.	2	High	Rukmani

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-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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. However, burn down charts can be applied to any project containing measurable progress over time.

Reference:

https://2022tmid13531.atlassian.net/jira/software/c/projects/IOT/boards/2/roadmap