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

Date	24 October 2022
Team ID	PNT2022TMID41919
Project Name	Smart Farmer-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	ALFIN BELAN P PRAKASH T
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	ALFIN BELAN P PRAKASH T
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	DHANUSIKA S ALFIN BELAN P PRAKASH T
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	ALFIN BELAN P PRAKASH T
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	ALFIN BELAN P PRAKASH T
Sprint-2	Dashboard	USN-6	As a user, must watch my metrics displayed right in the front page of the application	2	High	DHANUSIKA S ALFIN BELAN P PRAKASH T
Sprint-2		USN-8	As a customer care executive, I must provide with the text box to get the user information using unique no for every individual user.	1	Medium	DHANUSIKA S ALFIN BELAN P PRAKASH T
Sprint-2		USN-10	As an admin,I must be provide with status of the instance running behind.	2	High	DHANUSIKA S ALFIN BELAN P PRAKASH T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Hardware	USN-11	Configuring Sensors	2	High	RAHUL S PRAKASH T
Sprint-3		USN-12	Connecting Hardware to cloud	2	High	RAHUL S PRAKASH T
Sprint-4	MIT APP and Web UI	USN-13	Making a final APP and Web	1	Medium	DHANUSIKA S RAHUL S PRAKASH T
Sprint-4	Testing and Bug Fixing	USN-14	Testing Performance and Fixing Bugs	1	Low	DHANUSIKA S RAHUL S PRAKASH T

Project Tracker, Velocity & Burn down 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		27Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		17 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)

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

Burn down Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
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