Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID43671
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	P. Surya
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	A. Raja
Sprint-2	User Interface	USN-3	As a user, I can register for the application through Facebook	3	Low	L. Jarish
Sprint-1	Data Visualization	USN-4	As a user, I can register for the application through Gmail	2	Medium	P. Vishnu Ram
Sprint-3	Registration (Web User)	USN-5	As a user, I can log into the application by entering email & password	3	High	L. Jarish
Sprint-2	Dashboard	USN-6	As a user, I can access the features of the application in dashboard.	3	Medium	P. Surya
Sprint-4	Cloud Registration	USN-7	As a user, I can store the data in cloud storage for future reference.	2	Medium	A. Raja
Sprint-4	Controls	USN-8	As a user, I can control the IoT devices via Mobile and also monitor the field with the help of this IoT deivices.	3	High	P. Vishnu Ram

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