Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID26132
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	Creating of Login page in application	4	Highest	Abinesh
Sprint-1	Registration	USN-2	Developing logic for sign in and sign up and Database Integration	5	Highest	Bhuvanesh
Sprint-1	Registration	USN-3	Testing the created sign in and sign up page in our app and Database Integration	3	High	Danush
Sprint-1	Login	USN-4	User can login into application by entering email and password	3	Medium	Dhanush Raaj
Sprint-2	IoT Device Setup	USN-5	Least Device and Better Output	2	Highest	Danush
Sprint-2	Dashboard	USN-6	Graphical / Pictorial Representation for app and web ui	3	Low	Abinesh
Sprint-2	IoT Device Setup	USN-7	Low cost setup	2	Highest	Bhuvanesh
Sprint-2	Dashboard	USN-8	Single widget Representation	5	Medium	Dhanush Raaj
Sprint-2	Dashboard	USN-9	Organised widget section	3	Highest	Bhuvanesh
Sprint-3	IoT Device Setup	USN-10	Multiple sensors in setup	2	Highest	Abinesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	User Problems	USN-11	Manual Guide creation for application	3	Medium	Bhuvanesh
Sprint-3	Query Clarification	USN-12	Solution to the queries	4	High	Dhanush Raaj
Sprint-3	User Problems	USN-13	Query form in the application	2	High	Abinesh
Sprint-3	Application	USN-14	Provide Commands through application	4	Highest	Danush
Sprint-4	Particular Access	USN-15	Only authorised person access	4	High	Dhanush Raaj
S	User Problems	USN-16	Testing the application in multiple platform and ensure the working	3	High	Danush
Sprint-4	Connection with IoT devices	USN-17	Testing the hardware setup and ensure the working	4	Medium	Bhuvanesh
Sprint-4	Application	USN-18	Agricultural Notes	4	Medium	Abinesh

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	16	6 Days	28 Oct 2022	30 Oct 2022		31 Oct 2022
Sprint-2	16	8 Days	31 Oct 2022	07 Nov 2022		07 Nov 2022
Sprint-3	16	6 Days	10 Nov 2022	14 Nov 2022		15 Nov 2022
Sprint-4	8	5 Days	15 Nov 2022	17 Nov 2022		17 Nov 2022 – 18 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)

Total Story Points = 60

Total Sprint = 4

Average velocity = 60/4 = 15

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.