Project Planning Phase Sprint Delivery Plan

Date	22 October 2022
Team ID	PNT2022TMID04665
Project Name	Smart Farmer-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	Registration (Mobile User)	UNS-1	As a user, I can register for the application by entering my email and password	9	High	SANTHOSH S SANJEEV V E SANJAY M SANJEEV A
Sprint-1	Login	UNS-2	As a user, I can log into the application by entering username & password.	9	High	SANTHOSH S SANJEEV V E SANJAY M SANJEEV A

Sprint - 2	Web UI	USN - 3	As a user, I need to have a friendly user interface to easily view and access the resources	10	Medium	SANTHOSH S SANJEEV V E SANJAY M SANJEEV A
Sprint - 3	Dashboard	USN - 4	As a User can view the dashboard, and this dashboard includes temperature, Humidity and Soil moisture values	6	Medium	SANTHOSH S SANJEEV V E SANJAY M SANJEEV A
Sprint - 3		USN - 5	User can remotely access the motor function (ON/OFF)	6	Low	SANTHOSH S SANJEEV V E SANJAY M SANJEEV A
Sprint - 4	Logout	USN - 6	Then check the temperature , humidity and soil moisture after logout or exit the application	10	Medium	SANTHOSH S SANJEEV V E SANJAY M SANJEEV A

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	18	6 Days	24 Oct 2022	29 Oct 2022	18	04 NOV 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	10	08 NOV 2022
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	12	12 NOV 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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 for sprint 1 = Sprint Duration /velocity = 18/6 = 3
AV for sprint 2 = Sprint Duration/Velocity = 10/6 = 1.6
AV for Sprint 3 = Sprint Duration/Velocity = 12/6 = 2
AV for Sprint 4 = Sprint Duration/Velocity = 10/6 = 1.6

Burndown Chart: