

PROJECT PLANNING PHASE

Date	14 November 2022
Team ID	PNT2022TMID29726
Project Name	IoT based Smart crop Protection System for agriculture
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	Simulation	US-1	As a user I can first simulate the hardware using some software with python code	6	High	Vasanth
Sprint-1	Software	US-2	To make use of the hardware through cloud I have to create software	4	Medium	Vigneshwaran
Sprint-2	Registration	US-3	As a user, I can register for the application by entering my email, password, and confirming my password.	5	Medium	Vinoth
Sprint-2		US-4	As a user, I will receive confirmation email once I have registered for the application	5	High	Mohan Babu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		US-1	As a user, I can register for the application through Facebook	10	High	Mohan Raj
Sprint-3		US-2	As a user, I can register for the application through Gmail	10	High	Vigneshwaran
Sprint-3	Login	US-1	As a user, I can log into the application by entering email & password	7	High	Vinoth
Sprint-3	Dashboard	US-2	As a user I can directing to the dashboard where I can upload info about crops	5	Medium	Vasanth
Sprint-4	Registration	US-3	As a user I can easily get information about the damages caused, actions taken, recommendations for improvement	8	High	Vigneshwaran
Sprint-4	Dashboard	US-1	As a user I can get a customer toll free number in dashboard for my issues	10	High	Sathish Kumar
Sprint-4	Dashboard	US-2	As a user I can able to contact administrators through feedback options	10	High	Mohan Babu

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

Velocity:

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

Burndown Chart:

