PROJECT PLANNING PHASE

Sprint Delivery Plan

Team ID	PNT2022TMID42167
Project Name	Project – IoT Based Smart Crop Protection System for Agriculture

Product Backlog, Sprint Schedule, and Estimation

Use the below template to create product backlog and sprint schedule

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	MULLAIYARASI PREMALATHA SARASWATHI SRINITHI
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	MULLAIYARASI PREMALATHA SARASWATHI SRINITHI
Sprint-2		USN-3	As a user, I can register for the application	2	Low	MULLAIYARASI

			through Facebook			PREMALATHA SARASWATHI SRINITHI
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	MULLAIYARASI PREMALATHA SARASWATHI SRINITHI

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	MULLAIYARASI PREMALATHA SARASWATHI SRINITHI
Sprint-2	Dashboard	USN-6	The explored and visualized data are displayed in dashboard	2	High	MULLAIYARASI PREMALATHA SARASWATHI SRINITHI

Project Tracker, Velocity & Burndown Chart:

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	19	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	18	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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.