Naan Mudhalvan 2023 7th Semester Project

Solar Panel Data Analysis

Project Planning Phase

Team ID: NM2023TMID07948

Team Members Name	Registration Number
Joab Eliot G	211520243022
Joshee V Y	211520243023
Sai Rhaghav R S	211520243048
Jagadeesh	211520243020

Project Planning Phase

Product Backlog, Sprint Schedule, and Estimation

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	Joab Eliot
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Joshee
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Sai Rhaghav
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Jagadeesh
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Joab Eliot
	Dashboard					

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 Sept 2023	29 Sept 2023	5	30 Sept 2023
Sprint-2	20	6 Days	30 Sept 2023	05 Oct 2023	5	06 Oct 2023
Sprint-3	20	6 Days	07 Oct 2023	12 Oct 2023	5	13 Oct 2023
Sprint-4	20	6 Days	14 Oct 2023	19 Oct 2023	5	20 Oct 2023

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)

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