Project Planning Phase

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

Date	27 Oct 2023
Team ID	591312
Project Name	Project – Solar panel Forecasting
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	Data collection and integration	USN-1	As a data analyst, I want to define data source for historical solar data.	5	High	Shreya S Rashmitha.V
Sprint-2		USN-2	As a data analyst , I want to set up data collection processes for solar data.	8	High	Kowshika Ratnakar
Sprint-3	Data processing	USN-3	As a data analyst, I want to clean and preprocess historical data.	5	High	Shreya S
Sprint-4		USN-4	As a data analyst, I want to integrate weather data with solar data.	8	Medium	Rashmitha.V
Sprint-5	Visualizations and dashboards.	USN-5	As a data analyst,I want to create data visualisations and dashboards.	1	High	Kowshika

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	3 Days	27 Oct 2023	29 Oct 2022	16	29 Oct 2022
Sprint-2	19	3 Days	30 Oct 2023	1 Nov 2023	17	1 Nov 2023
Sprint-3	20	3 Days	02 Nov 2023	04 Nov 2023	18	04 Nov 2023
Sprint-4	21	3 Days	05 Nov 2023	07 Nov 2023	19	07 Nov 2023
Sprint - 5	18	1 Days	08 Nov 2023	08 Nov 2023	16	08 Nov 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)

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

Burndown Chart:

Task name	Assignee	Due date	Priority	Days
To do				
sprint1	r2 rashmitha.2...	Today – 29 Oct	High	3
sprint2	r2 ratnakar.21...	30 Oct – 1 Nov	High	3
sprint3	s2 shreya.21bc...	2 – 4 Nov	High	3
sprint4	r2 rashmitha.2...	5 – 7 Nov	Medium	3
sprint5	ko kowshika	8 Nov	High	1