

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID45553
Project Name	Predicting the energy output of wind turbine based on weather condition
Maximum Marks	8 Marks

Product Backlog,Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

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	BALASHANKAR M
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	SUREKA V
Sprint-1	Information about wind energy	USN-3	Find wind dataset or Create a New Dataset	2	Low	BALASHANKAR M, SUREKA V
Sprint-1	Alternative registration method	USN-4	As a user, I can register for the application through mobile number	2	Medium	BALASHANKAR M
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	SUREKA V
	Dashboard	USN-6	In the dashboard you can search the location with longitude , latitude or by name	1	Low	SAI RAKSHIT S B
	Check Weather	USN-7		1	Medium	POOVARASAN K
	Predicting Energy Wind Output	USN-8	The pop-up will show the predicted energy output in KW/h	2	High	ELANGO VAN A

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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	04 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:

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)

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

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Burndown Chart:

BURNDOWN CHART				
Particular	Days	Planned	Actual	Velocity
Sprint-1	24-29 oct 2022	6	6	1
Sprint-2	31 oct-05 oct 2022	6	5	1.2
Sprint-3	07-12 Nov 2022	6	6	1
Sprint-4	14-19 Nov 2022	6	6	1

