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 onceI 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 byentering 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	Weather chechk using open weather map	1	Medium	POOVARASAN K
	Predicting Energy Wind Output	USN-8	The pop-up will shoe the predicted energy output in KW/h	2	High	ELANGOVAN 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)

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

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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