Project Planning Phase

Sprint Delivery Planning

DATE	29 OCT 2022
TEAM ID	PNT2022TMID19874
PROJECT NAME	Predicting the energy output of wind turbine based on weather condition
MARK	8 mark

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

Sprint	Functional Requirement	User Story Number	User Story/Task	Story Point	Priority	Team Members
Sprint-1	Building Model-1	USN-1	As a use l can request for the wind direction, Wind speed	5	High	Sutharsanan.S (Team Leader)
Sprint-1		USN-2	As a use l can request for the speed of the wind	5	High	Sridhar.G (Team Member 1)
Sprint-1		USN-3	As a use l can request for the direction of the wind	2	Low	Vigneshwaran.S (Team Member 2)
Sprint-2	Building Model-2	USN-4	As a use l can find the speed of the wind	3	Medium	Gnana Kumar.S (Team Member 3)
Sprint-2		USN-5	As a use l can find the direction of the wind	5	High	Sutharsanan.S (Team Leader)

Sprint	Functional Requirement	User Story Number	User Story/Task	Story Point	Priority	Team Members
Sprint-2		USN-6	Once I have find the wind direction ,I can use this information to getting high energy output	6	Medium	Sridhar.G (Team Member 1)
Sprint-2		USN-7	If I get the current wind speed , I can predict the energy output	7	High	Vigneshwaran.S (Team member 2)
Sprint-3	Building UI	USN-8	As a customer when I enter the weather details the website should predict the approximate	20	High	Gnana Kumar.S (Team Member 3)
Sprint-3		USN-9	As a customer I can access the website to predict the turbine energy output	20	Medium	Sutharsanan.S (Team Leader)
Sprint-4	Hosting , Storage & Deployment	USN-10	As a customer I wish to store my predictions and make analyses	10	Low	Sridhar.G (Team Member 2)
Sprint-4		USN-11	As an administrator I should maintain the website and update the website regularly	10	Low	Sutharsanan.S (Team Leader)

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	9 Days	24 Oct 2022	01 Nov 2022	20	01 Nov 2022
Sprint-2	20	5 Days	01 Nov 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	4 Days	14 Nov 2022	17 Nov 2022	20	17 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)

Burndown Chart:

A burndown 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

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https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts