Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID12909
Project Name	Predicting the energy output of wind farm based on weather conditions.
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 buy the ML model and train it customize according to the needs.	8	High	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-1		USN-2	My Identity can be verified through a mail.	7	High	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-1	Login	USN-1	As a user, I can log into the application by entering email & password.	5	Low	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul

Sprint-2		USN-2	For different Wind Mill, various login can be used.	9	High	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-2	Dashboard	USN-3	The various functionalities can be viewed and navigated from the dashboard.	6	Medium	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-2	Queries	USN-1	The Customer Care executive answered my call and guided me.	5	Medium	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-3	Initial Setup	USN-2	After the ML model has been bought the sales executive helped me setup the model.	20	High	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-4	Remote Access	USN-1	I have remote access to all the models and can be worked on.	10	Medium	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul
Sprint-4		USN-2	The integration with cloud was easy and simple.	10	Low	Shrihari S Praveen S Sourish Vijay R Elbrine D Paul

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		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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