Project Planning Phase

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

Date	05 NOVEMBER 2022
Team ID	PNT2022TMID34866
Project Name	**Crude Oil Price Prediction**

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.	10	High	MANOJ M
Sprint-1		USN-2	As a user, I will receive confirmation emailonce I have registered for the application	10	High	SANJAY S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email &password.	15	High	SANKAR G
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details toPredict Likeliness of crude oil	15	High	DINESH A
Sprint-2	Data Pre-processing	USN-5	Transform raw data into suitableformat for prediction.	15	High	SANJAY S
Sprint-3	Prediction of Crude Oil Price	USN-6	As a user, I can predict Crude oil usingmachine learning model.	20	High	SANKAR G
Sprint-3		USN-7	As a user, I can get accurate prediction ofcrude oil	5	Medium	DINESH A
Sprint-4	Review	USN-8	As a user, I can give feedback of theapplication.	20	High	MANOJ M

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	20 Oct 2022	25 Oct 2022	20	30 Oct 2022
Sprint-2	20	7 Days	26 Oct 2022	01 Nov 2022		
Sprint-3	20	6 Days	02 Nov 2022	07 Nov 2022		
Sprint-4	20	7 Days	09 Nov 2022	15 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)

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

Burndown Chart: