Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID05118
Project Name	Crude Oil Price Prediction
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
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
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	15	High
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likeliness of crude oil	15	High
Sprint-2	Data Pre-processing	USN-5	Transform raw data into suitable format for prediction.	15	High
Sprint-3	Prediction of Crude Oil Price	USN-6	As a user, I can predict Crude oil using machine learning model.	20	High
Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium

Sprint-4	Review	USN-8	As a user, I can give feedback of the application.	20	High

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	5 Days	30 Oct 2022	03 Nov 2022	20	31 Oct 2022
Sprint-2	20	5 Days	01 Nov 2022	05 Nov 2022		
Sprint-3	20	5 Days	08 Nov 2022	12 Nov 2022		
Sprint-4	20	5 Days	16 Nov 2022	20 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: