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

Date	18 October 2022
Team ID	PNT2022TMID09673
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	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	SOORIYA KUMAR N
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	SARAVANAN S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	15	High	SIVARAMKUMAR V
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likeliness of crude oil	15	High	RAM ESHWAR M
Sprint-2	Data Pre-processing	USN-5	Transform raw data into suitable format for prediction.	15	High	RAM ESHWAR M
Sprint-3	Prediction of Crude Oil Price	USN-6	As a user, I can predict Crude oil using machine learning model.	20	High	SOORIYA KUMAR N
Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium	SIVARAMKUMAR V
Sprint-4	Review	USN-8	As a user, I can give feedback of the application.	20	High	SARAVANAN S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

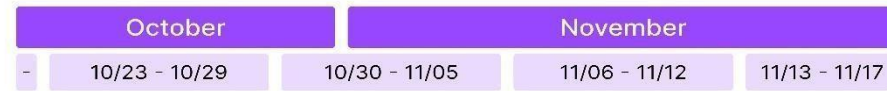| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
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)

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

Burndown Chart:

October / November 2022

Actual

Planned

10/23
1. Creation of webpage
2. User Registration
3. Login

10/30
1. Required information for prediction given as input from user.
2. Data Pre-processing

11/06
1. Creating respective diagrams for price prediction of oil
2. Predicted output is shown

11/13
Forecasting and Regular updation

Team ID: PNT2022TMID00041
Crude oil price prediction