Project Planning Phase

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

DATE	05.11.2022
TEAM ID	PNT2022TMID43400
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	Sivaprasath M K
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	Devanand R P
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	15	High	Hariharan M
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likeliness of crude oil	15	High	Gowtham S
Sprint-2	Data Pre-processing	USN-5	Transform raw data into suitable format for prediction.	15	High	Devanand R P
Sprint-3	Prediction of Crude Oil Price	USN-6	As a user, I can predict Crude oil using machine learning model.	20	High	Sivaprasath M K
Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium	Gowtham S
Sprint-4	Review	USN-8	As a user, I can give feedback of the application.	20	High	Hariharan 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	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

October		November		
-	10/23 - 10/29	10/30 - 11/05	11/06 - 11/12	11/13 - 11/17

/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: PNT2022TMID43400
Project Name: Crude Oil Price Prediction