

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID26261
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	ASHA SSURYA NARYANAN
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	JANE SANJEEVINIKARTHI
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	15	High	ANCY VSURYA
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likelihood of crude oil	15	High	HARINI MSURYA
Sprint-2	Data Pre-processing	USN-5	Transform raw data into suitable format for prediction.	15	High	ASHA SSANTHOSH
Sprint-3	Prediction of Crude Oil Price	USN-6	As a user, I can predict Crude oil using machine learning model.	20	High	ANCY VKARTHI

Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium	JANE SANJEEVSANTHOSH INI
Sprint-4	Review	USN-8	As a user, I can give feedback of the application.	20	High	HARINI MSURYA NARYANAN

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		

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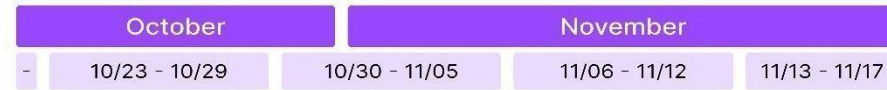
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

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)

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
update

Team ID: PNT2022TMID00041
Crude oil price prediction