

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID31650
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	I can register for the application as a user. by inputting my email address, password, and confirming my security code .	10	High	Tarun K Kumar
Sprint-1		USN-2	I will receive a confirmation email as a user. I signed up for the application.	10	High	Vasanth R
Sprint-1	Login	USN-3	As a user, I can access the application entering my email address and password.	15	High	Purujit K G
Sprint-2	Input Necessary Details	USN-4	As a user, I can provide Input Details to Predict Crude Oil Likeliness.	15	High	Prince P
Sprint-2	Data Pre-processing	USN-5	Transform raw data into a format suitable for prediction.	15	High	Raaj Visanth
Sprint-3	Prediction of Crude Oil Price	USN-6	As a user, I am able to forecast Crude oil using a machine learning model.	20	High	Tarun K Kumar
Sprint-3		USN-7	As a user, I can get an accurate crude oil prediction.	5	Medium	Purujit K G
Sprint-4	Review	USN-8	As a user, I am able to provide feedback on the application.	20	High	Prince P

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	4 Days	31 Oct 2022	04 Nov 2022	20	
Sprint-2	20	4 Days	05 Nov 2022	10 Nov 2022		
Sprint-3	20	4 Days	11 Nov 2022	15 Nov 2022		
Sprint-4	20	4 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)

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

Burndown Chart:

