

PROJECT PLANNING PHASE

PROJECT PLANNING TEMPLATE (PRODUCT BACKLOG, SPRINT PLANNING, STORIES, STORY POINTS)

Date	20 th October 2022
Team ID	PNT2022TMID16089
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 may sign up for the application as a user by providing my email, password, and password confirmation.	10	High	Suresh K
Sprint-1		USN-2	When I register for the application as a user, I will get a confirmation email.	10	High	Thirumal G
Sprint-1	Login	USN-3	I may access the application as a user by providing my email address and password.	15	High	Vignesh M
Sprint-2	Input Necessary Details	USN-4	I can enter information to predict the probability of crude oil as a user.	15	High	Sathesh Kumar S
Sprint-2	Data Pre-processing	USN-5	Put raw data into a format that will allow for prediction.	15	High	Suresh K
Sprint-3	Prediction of Crude Oil Price	USN-6	I can anticipate crude oil as a user using a Machine Learning model.	20	High	Vignesh M
Sprint-3		USN-7	As a buyer, I can predict the price of crude oil with accuracy.	5	Medium	Thirumal G
Sprint-4	Review	USN-8	I may comment on the application as a user.	20	High	Sathesh Kumar 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:

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

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:

