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

Date	30 October 2022
Team ID	PNT2022TMID36733
Project Name	Project – 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	MOHANDAS.V
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	PRAVEENKUMAR.G
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	15	High	HARISH.C
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likeliness of crude oil	15	High	DHINESH ASIK.J
Sprint-2	Data Pre-processing	USN-5	Transforming the raw data into suitable format for price prediction.	15	High	KARAN.I
Sprint-3	Crude oil price prediction	USN-6	As a user, I can predict Crude oil using the model.	20	High	SUNIL KUMAR.S
Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium	MOHANDAS.V
Sprint-4	Feedback	USN-8	As a user, I can give feedback of the application.	20	High	MOHANDAS.V SUNIL 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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.