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

Date	18 October 2022
Team ID	PNT2022TMID39305
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	MANISHA.R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	PRAVEEN.D
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	15	High	SHERINVINCY.C
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likeliness of crude oil	15	High	BHAVESHRAJ.A
Sprint-2	Data Pre-processing	USN-5	Transforming the raw data into suitable format for price prediction.	15	High	PRAVEEN.D
Sprint-3	Crude oil price prediction	USN-6	As a user, I can predict Crude oil using the model.	20	High	SHERINVINCY.C
Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium	BHAVESHRAJ.A
Sprint-4	Feedback	USN-8	As a user, I can give feedback of the application.	20	High	MANISHA.R

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

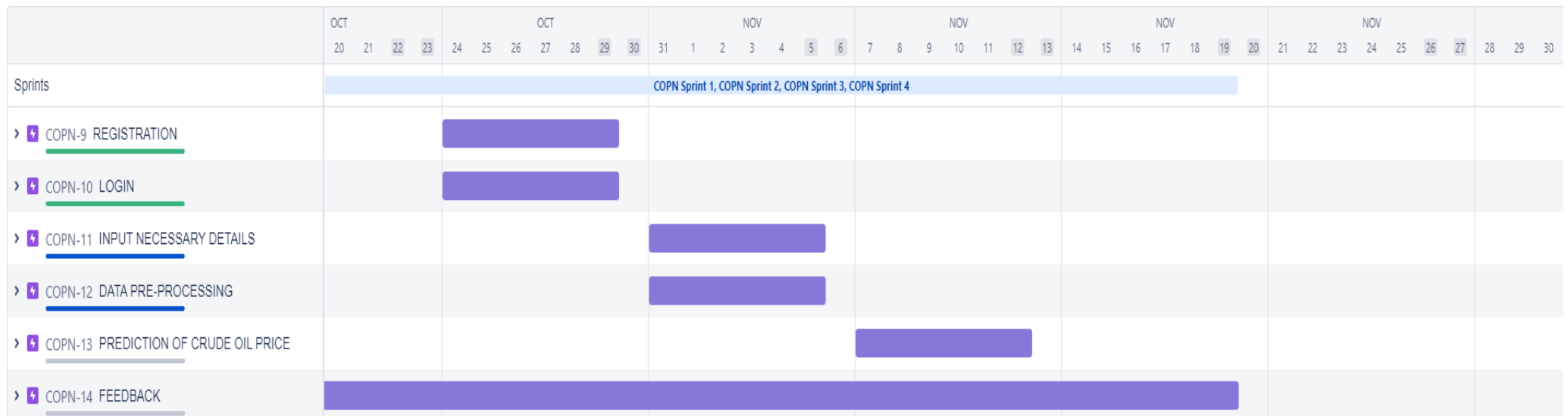| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	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.

	OCT				OCT							NOV						NOV						NOV						NOV						NOV			
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Sprints																COPN Sprint 1, COPN Sprint 2, COPN Sprint 3, COPN Sprint 4																										
› COPN-9 REGISTRATION																																							
› COPN-10 LOGIN																																							
› COPN-11 INPUT NECESSARY DETAILS																																							
› COPN-12 DATA PRE-PROCESSING																																							
› COPN-13 PREDICTION OF CRUDE OIL PRICE																																							
› COPN-14 FEEDBACK																																							

SPRINT BURNOUT CHART: