Project Planning Phase

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

Date	October 2022
Team ID	PNT2022TMID35878
Project Name	Crude Oil Price Prediction
Maximum Marks	6

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/website by entering my email, password, and confirming my password.	5	High	Madhavan .p.t.s
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Harish Veeraraghavan
Sprint-1		USN-3	As a user, I can register for the application through Gmail	5	Medium	Santhosh s
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	3	High	Yuvan raju m

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Input necessary details	USN-5	As a user I can give the necessary input details to predict the price of the crude oil.	6	High	Madhavan .p.t.s
Sprint-2	Data Pre-processing	USN-6	Raw data is transformed into suitable format for the prediction of the price of crude oil.	5	High	Santhosh s
Sprint-3	Prediction of Oil Price	USN-7	As a user I can predict the price of crude oil using the application or through the website.	6	High	Harish Veeraragh avan
Sprint-3		USN-8	As a user I can get accurate predictions of the crude oil price.	4	Medium	Yuvan raju m
Sprint-4	Feedback	USN-9	As a user I can give the review of the application/website.	4	High	Madhavan .p.t.s

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

Sprint	Total Story Points	Duration	Average Velocity	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	6 Days	15/6=2.5	24 Oct 2022	29 Oct 2022	15	29 Oct 2022
Sprint-2	11	6 Days	11/6=1.83	31 Oct 2022	05 Nov 2022		
Sprint-3	10	6 Days	10/6=1.66	07 Nov 2022	12 Nov 2022		

Sprint	Total Story Points	Duration	Average Velocity	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-4	4	6 Days	4/6=0.33	14 Nov 2022	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: