

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52700
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	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K
Sprint-1	Login	USN-3	As a user, I can register for the application through Facebook	15	High	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K
Sprint-2	Input	USN-4	As a user, I can give Input Details to Predict Likelihood of crude oil	15	High	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K
Sprint-2	Data pre-processing	USN-5	Transform raw data into suitable format for prediction.	15	High	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K
Sprint-3	Prediction of crude oil price	USN-6	As a user, I can predict Crude oil using machine learning model.	20	High	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K
Sprint-3		USN-7	As a user, I can get accurate prediction of crude oil	5	Medium	Kausik Subramaniyam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Review	USN-8	As a user, I can give feedback of the application	20	High	Kausik Subramaniam.G ,B.Darshini,Deveshwar.R, Shunmuga Sundaram.K

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		

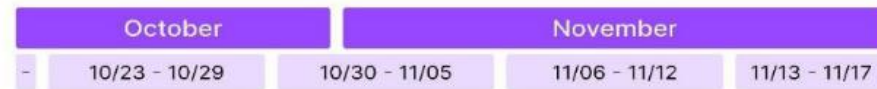
Velocity:

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)

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

Burndown Chart:

October / November 2022



Actual

Planned

