

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID08579
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.	2	High	Rojer
Sprint-1		USN-2	As a user, I can register for the application by entering my Facebook id.	1	High	Harish
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	2	Low	Guru Prasath
Sprint-2	Dataset Management	USN-4	As a user, I split the dataset for training and testing.	2	High	Jerome Johnis
Sprint-2	Model Building	USN-5	As a user I build a model and train the model, test the model to predict the future price.	4	High	Manoj, Rojer
Sprint-2	Admin Login	USN-6	As an Administrator, I can login into the analysis page.	2	High	Harish, Guru Prasath
Sprint-3	Dashboard	USN-7	As an Administrator, I can access the Dashboard.	5	Medium	Manoj, Harish
Sprint-3	Authentication	USN-8	As an Administrator, I can verify the identity of the user.	5	High	Rojer
Sprint-3	Authorization levels	USN-9	As an Administrator, I can determine the extent of system rights that the user has access to.	3	Medium	Guru Prasath, Jerome Johnis

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Review	USN-10	As a user I can give feedback of the application	15	Medium	Rojer, Manoj, Jerome Johnis, Guru Prasath, Harish

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

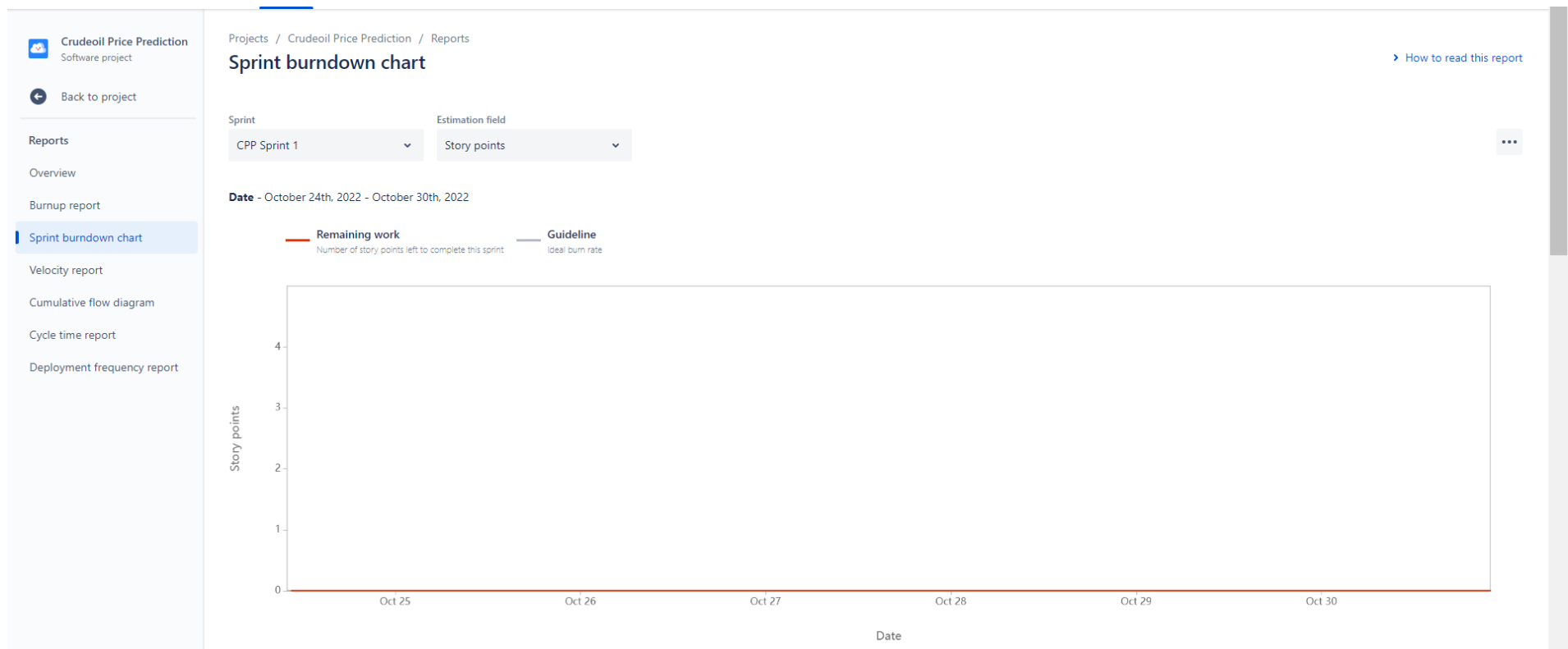
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	6 Days	24 Oct 2022	29 Oct 2022	5	30 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	15	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)

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

Burndown Chart:



Velocity Chart:

