# **Project Planning Phase**

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

Date	18 October 2022
Team ID	PNT2022TMID10046
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	Developing Tools	USN-1	Collecting Data	4	High	Shriram S, Suryaprakash S
		USN-2	As a developer, I develop the RNN and LSTM model for predicting the crude oil prices	8	High	Tallapaneni Thanmai Chowdary, Yarramasu Ramya Sree
		USN-3	As a developer, I test out the model that has been trained	8	High	Shriram S, Suryaprakash S
Sprint-2	Developing Tools	USN-4	As a developer, I develop the HTML, CSS code for project UI	4	Low	Tallapaneni Thanmai Chowdary, Yarramasu Ramya Sree
		USN-5	As a developer, I develop flask model which runs in a local server to showcase the project	8	High	Shriram S, Suryaprakash S
		USN-6	As a developer, I build the model in IBM Cloud	4	High	Tallapaneni Thanmai Chowdary, Yarramasu Ramya Sree

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-7	As a developer, I integrate the developed system with the IBM Cloud	4	High	Shriram S, Suryaprakash S
Sprint-3	Dashboard	USN-8	As a user, I can get into dashboard in which it shows button for predicting future crude oil prices.	10	High	Tallapaneni Thanmai Chowdary, Yarramasu Ramya Sree
		USN-9	As a user, If I click the prediction button, crude oil price prediction page will open.	10	High	Shriram S, Suryaprakash S
Sprint-4		USN-10	As a user, I can enter the First 10 days Crude oil prices and then click on predict button and then the predicted price will be displayed.	10	High	Tallapaneni Thanmai Chowdary, Yarramasu Ramya Sree
	Application	USN-11	As an Administrator, I can change the deployment settings and can improve the ease of access of the web page and can solve any issues in the web page.	10	High	Shriram S, Suryaprakash 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:

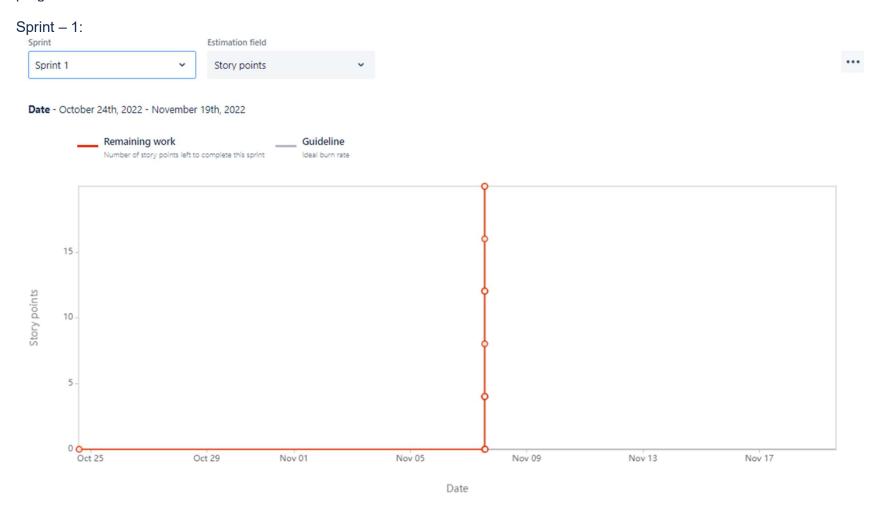
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

AV for each Sprint is 2.

#### **Burndown Chart:**

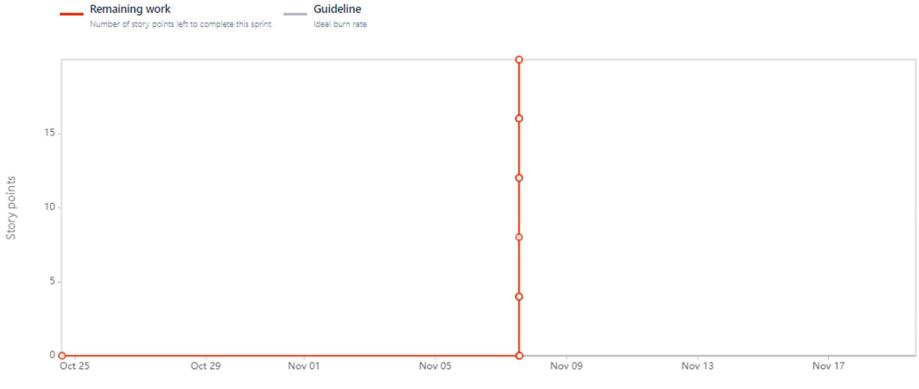
The below burn down chart shows a graphical representation of work left to do versus time for the project Crude Oil Price Prediction. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



#### Sprint – 2:



Date - October 24th, 2022 - November 19th, 2022

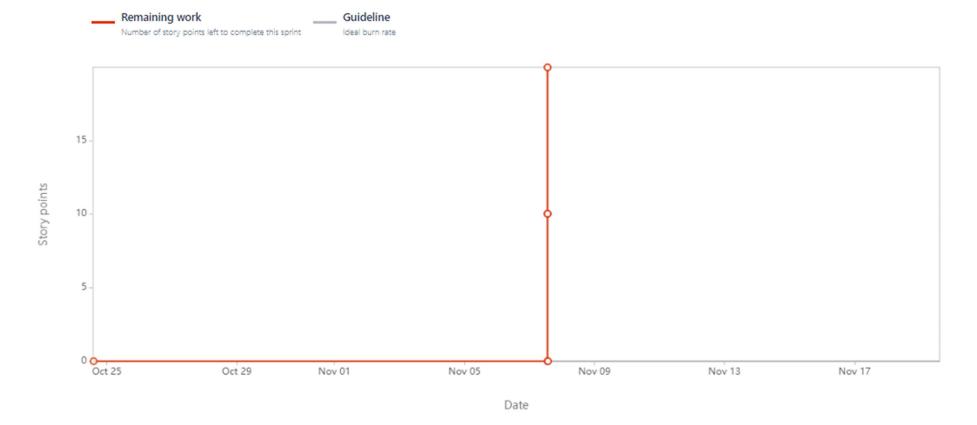


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Date

#### Sprint – 3:

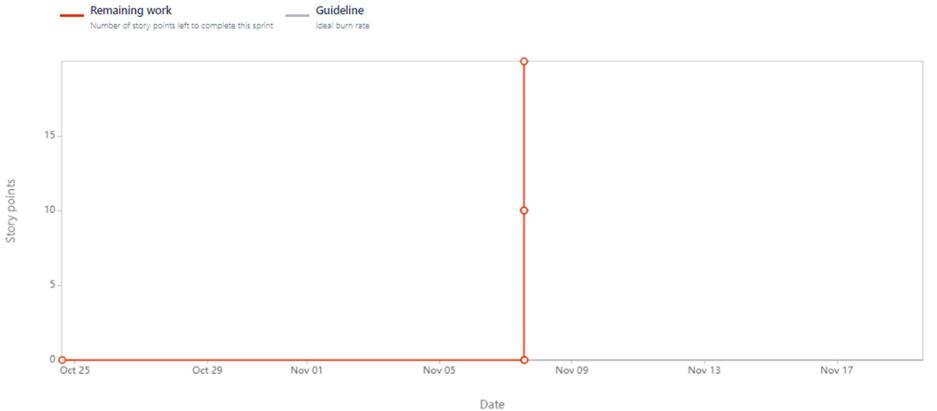




#### Sprint-4:



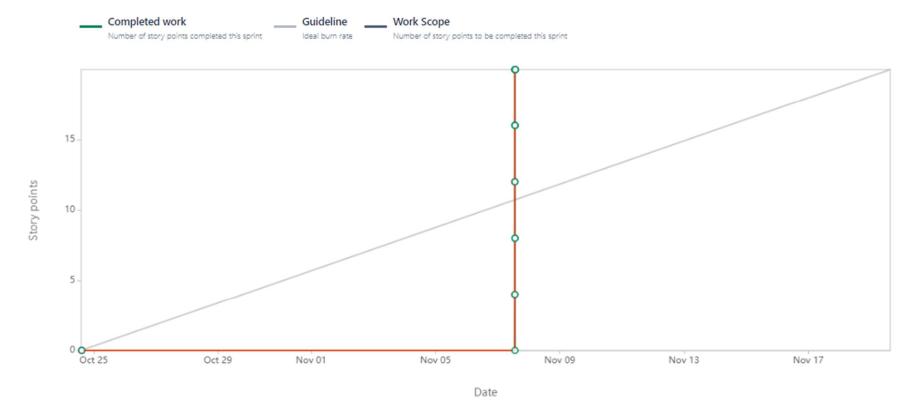
Date - October 24th, 2022 - November 19th, 2022



## **Burnup Chart:**

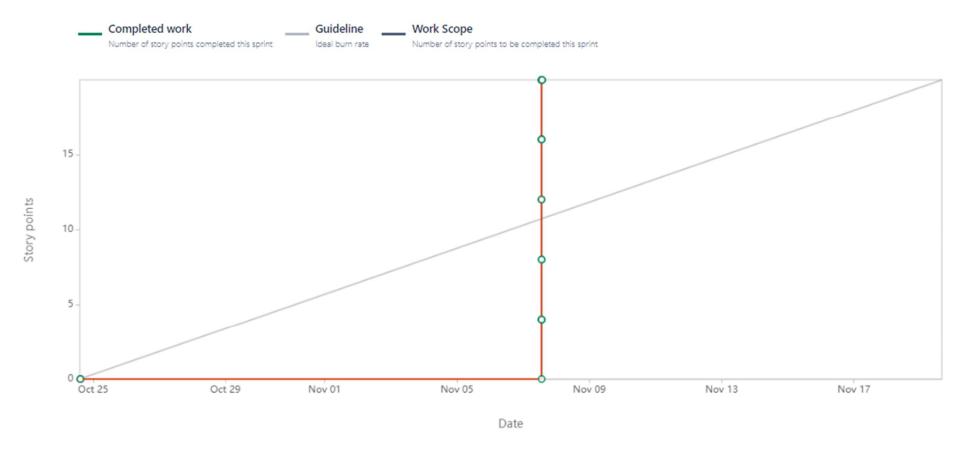
#### Sprint-1:





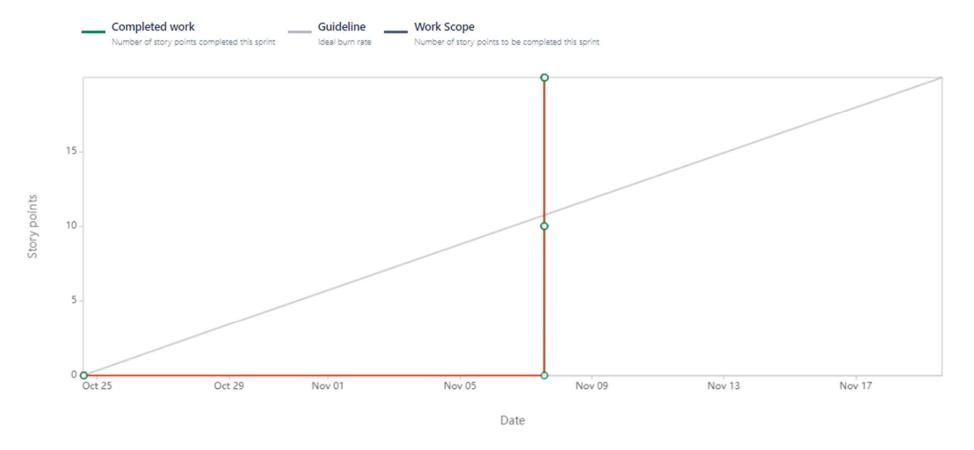
#### Sprint-2:



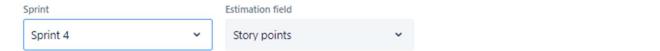


### Sprint-3:

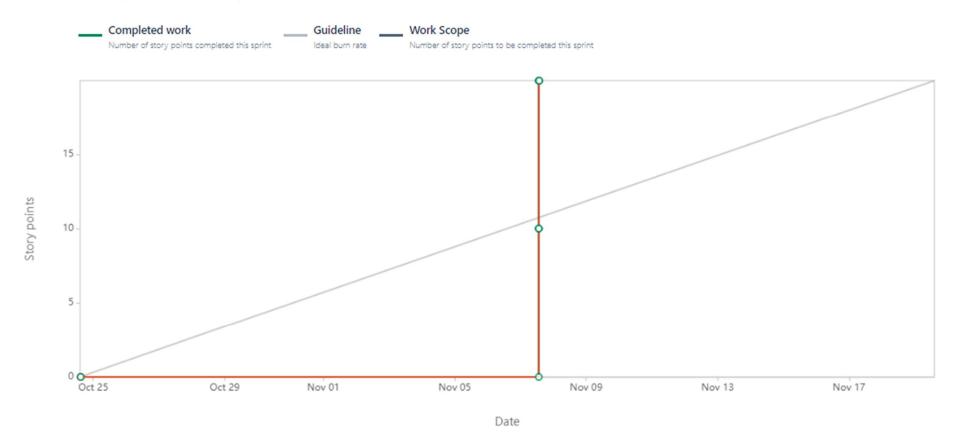




#### Sprint-4:



Date - October 24th, 2022 - November 19th, 2022



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