

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

Date	22 October 2022
Team ID	PNT2022TMID53313
Project Name	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	Data Collection	USN-1	Download Crude Oil Price Dataset	2	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-1		USN-3	Handling Missing Data	3	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-1		USN-4	Feature Scaling	3	Low	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-1		USN-5	Data Visualization	3	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	Aravindhan, Govindhan, Aaditya, Mohammed

						Nihal
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-9	Initializing The Model	1	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-10	Adding LSTM Layers	2	High	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-11	Adding Output Layers	3	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-12	Configure The Learning Process	4	High	Aravindhan, Govindhan, Aaditya, Mohammed Nihal

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-2		USN-13	Train The Model	2	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-14	Model Evaluation	1	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-15	Save The Model	2	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-2		USN-16	Test The Model	3	High	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-3		USN-18	Build Python Code	4	High	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-3		USN-19	Run The App in Local Browser	4	Medium	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-3		USN-20	Showcasing Prediction On UI	4	High	Aravindhan, Govindhan, Aaditya, Mohammed Nihal
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Aravindhan,

						Govindhan, Aaditya, Mohammed Nihal
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Aravindhana, Govindhan, Aaditya, Mohammed Nihal
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Aravindhana, Govindhan, Aaditya, Mohammed Nihal

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	19	6 Days	31 Oct 2022	05 Nov 2022	19	05 Nov 2022
Sprint-3	16	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Burndown Chart:



Velocity Chart:

Velocity report

[How to read this report](#)



Sprint	Commitment	Completed
COPP Sprint 1	0	20
COPP Sprint 2	0	0
COPP Sprint 2	19	19