

## Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID00525
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	Collecting the Dataset	10	High	Krishna Peter Paul Samuel Prithivi raj Rakesh Dhillip
Sprint-1		USN-2	Data Pre-processing	7	Medium	Krishna Peter Paul Samuel Prithivi raj Rakesh Dhillip
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model.	10	High	Krishna Peter Paul Samuel  Prithivi raj Rakesh Dhillip
Sprint-2		USN-4	Training the data classification model using RNN and others systems.	7	Medium	Krishna Peter Paul Samuel  Prithivi raj Rakesh Dhillip
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	10	High	Krishna Peter Paul Samuel  Prithivi raj Rakesh Dhillip

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-6	Build the system and deploy the model in IBM cloud	7	Medium	Krishna Peter Paul Samuel Prithivi raj Rakesh Dhilip

**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	10	6 Days	08 Nov 2022	13 Nov 2022	8	29 Oct 2022
Sprint-2	10	6 Days	08 Nov 2022	13 Nov 2022	7	05 Nov 2022
Sprint-3	10	6 Days	14 Nov 2022	19 Nov 2022	8	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	7	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)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$AV = 6/10 = 0.6$$

### Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. 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

