Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID50878
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	As a user,I can collect the dataset from kaggle.	5	High	Team leader
Sprint-1	Data Preprocessing	USN-2	As a user,I can load the data set,handling the missing data, scaling and split data into train and test.	5	High	Team member 1
Sprint-2	Model Building	USN-3	As a user,I can initialize the model,adding the LSTM layer and output layer,train,evaluate,save and test the model.	10	High	Team member 3
Sprint-3	Application Building	USN-4	As a user,I create a HTML file,bulid a python code and run the app and showcasting the prediction.	10	High	Team member 2
Sprint-4	Train the model on IBM	USN-5	As a user,I train the model on IBM and integrate flask with scoring end point.	10	Medium	Team leader

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	5 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	5 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	5 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	5 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:
Imagine we have a 5-day sprint duration, and the velocity of the team is 10 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint Duration} / \text{Velocity} = 10/5 = 2$$