Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID06168
Project Name Maximum	Crude Oil Price Prediction (8 Marks)
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, we used to get the details of crude oil from the past years.	10	High	SINDHUJA S
Sprint 1	Data Pre-processing	USN-2	As a user, we used to get clarity about the data we have collected like if any data is missing, or if any addition of data is needed etc.	10	High	HEMA R
Sprint 2	Model Building	USN-3	As a user, we have to build the model where more than 60% of the data is used for training and more than 30% for testing is used to get the output with efficient prediction.	15	High	SAHANA R
Sprint 3	Integration with Flask	USN-4	As a user, we need more interaction with our web application that we have designed and our application must be user-friendly, we need to integrate Python with flask.	20	High	VISHALINI DEVI R

Sprint 4	Application Building on IBM Cloud	USN-5	As a user, we have to take care of scalability and storage, so we're building on IBM Cloud.	20	High	SAHANA R

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	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	5 Nov 2022
Sprint 3	20	6 Days	07 Nov 2022	12 Nov 2022	20	17 Nov 2022
Sprint 4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have 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 point's per day)

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

Burndown Chart: