Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID51321
Project Name	Crude Oil Price Prediction
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	AJIN.J.L ABHIRAM.M.R ANANDH.G NAVINASH.M.S
Sprint-2	Data Pre-processing	USN-2	Data Pre-processing	7	Medium	AJIN.J.L ABHIRAM.M.R ANANDH.G NAVINASH.M.S
Sprint-3	Model Building	USN-3	Prepare the model by importing thenecessary libraries, adding the layers, and compiling it.	10	High	AJIN.J.L ABHIRAM.M.R ANANDH.G NAVINASH.M.S
Sprint-3	Model Building	USN-4	The data classification model is trained using RNNs and other systems.	7	Medium	AJIN.J.L ABHIRAM.M.R ANANDH.G NAVINASH.M.S

Sprint-4	Application Building	USN-5	Deploy the model in the IBM cloudand build the system	10	High	AJIN.J.L ABHIRAM.M.R ANANDH.G NAVINASH.M.S
Sprint-4	Training and testing	USN-6	Testing the model's performanceand training it	7	Medium	AJIN.J.L ABHIRAM.M.R ANANDH.G NAVINASH.M.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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 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)

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

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