SPRINT DELIVERY PLAN

Product Backlog , Sprint Schedule, and Estimation

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority
Sprint-1	Data Collection	USN-1	Download Crude Oil Price Dataset	2	Medium
Sprint-2	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low
Sprint-2		USN-3	Handling Missing Data	3	Medium
Sprint-2		USN-4	Feature Scaling	3	Low
Sprint-2		USN-5	Data Visualization	3	Medium
Sprint-2		USN-6	Splitting Data into Train and Test	4	High
Sprint-2		USN-7	Creating A Dataset with Sliding Windows	4	High
Sprint-3	Model Building	USN-8	Importing The Model Building Libraries	1	Medium
Sprint-3		USN-9	Initializing The Model	1	Medium
Sprint-3		USN-10	Adding LSTM Layers	2	High
Sprint-3		USN-11	Adding Output Layers	3	Medium
Sprint-3		USN-12	Configure The Learning Process	4	High

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority
Sprint-3		USN-13	Train The Model	2	Medium
Sprint-3		USN-14	Model Evaluation	1	Medium
Sprint-3		USN-15	Save The Model	2	Medium
Sprint-3		USN-16	Test The Model	3	High
Sprint-4	Application Building and Train The Model On IBM	USN-17	Create An HTML File	4	Medium
Sprint-4		USN-18	Build Python Code	4	High
Sprint-4		USN-19	Run The App in Local Browser	4	Medium
Sprint-4		USN-20	Showcasing Prediction On UI	4	High
Sprint-4		USN-21	Register For IBM Cloud	4	Medium
Sprint-4		USN-22	Train The ML Model On IBM	8	High
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High

Project Tracker,Velocity & Burn-down 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	20	6Days	24 Oct 2022	27Oct2022	20	27Oct2022
Sprint-2	20	6Days	27 Oct 2022	28 Oct 2022	20	28 Oct 2022
Sprint-3	20	6Days	30 Oct 2022	05 Nov 2022	20	01 Nov 2022
Sprint-4	20	6Days	07 Nov 2022	19 Nov 2022	20	Working

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)

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

Burn-down 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 overtime.