Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	10/11/2022
Team ID	PNT2022TMID43539
Project Name	Car Resale Value 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	Pre-process data	USN-1	Collect Dataset	1	Low	Ali Hashim p y
Sprint-1		USN-2	Import required libraries	1	Low	Ali Hashim p y
Sprint-1		USN-3	Read and clean data sets	2	Low	Ali Hashim p y
Sprint-2	Model building	USN-1	Split data into independent and dependent variables	3	Medium	Manu k p
Sprint-2		USN-2	Apply using regression model	3	Medium	Manu k p
Sprint-3	Application building	USN-1	Build python flask application and HTML page	5	High	Athira
Sprint-3		USN-2	Execute and test	5	High	Athira
Sprint-4	Training the model	USN-1	Train machine learning model	5	High	Shine s
Sprint-4		USN-2	Integrate flask	5	High	Shine 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	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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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