Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID40163
Project Name	Project – 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	Collection of Dataset	USN-1	Downloading dataset	1	High	Movika Karthick Swathishree Nithyasree
Sprint-1	Data Pre-processing	USN-2	Data pre-processing/ Import Required Libraries Read The Dataset Cleaning The Dataset Splitting The Data into Independent & Dependent Variables	5	High	Movika Karthick Swathishree Nithyasree
Sprint-2	Model Building	USN-3	Dataset training and testing/ Choose The Appropriate Model Check The Metrics of The Model Save The Model	3	Medium	Movika Karthick Swathishree Nithyasree
Sprint-2	Application Building	USN-4	Making API/ Build The Python Flask App Build an HTML Page Execute And Test The Model	3	Medium	Movika Karthick Swathishree Nithyasree

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Training The Model	USN-5	Predicting/ Train The ML Model on IBM Intergrate Flask with Scoring End Point	2	High	Movika Karthick Swathishree Nithyasree
Sprint-4	Deploying in IBM Cloud	USN-6	Search Engine	2	High	Movika Karthick Swathishree Nithyasree

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)

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

Burndown Chart: