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

Date	6 November 2022
Team ID	PNT2022TMID08828
Project Name	Project – Car resale value 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	Dataset reading and Pre processing	USN-1	Cleaning the dataset and splitting to dependent and independent variables	2	High	Madhavan R Mothish Lakshman S
Sprint-2	Building the model	USN-2	Choosing the appropriate model for building and saving the model as pickle file	1	High	Arjun G Ranjithkumar S
Sprint-3	Application building	USN-3	Using flask deploying the ML model	2	Medium	Ranjithkumar S Arjun G
Sprint-4	Train the model in IBM	USN-4	Finally train the model on IBM cloud and deploy the application	2	Medium	Mothish Lakshman S Ranjithkumar 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	15	5 Days	01 Oct 2022	06 Oct 2022	15	06 Oct 2022
Sprint-2	15	5 Days	07 Oct 2022	12 Nov 2022	15	12 Oct 2022
Sprint-3	15	5 Days	13 Nov 2022	17 Nov 2022	15	17 Oct 2022
Sprint-4	15	5 Days	18 Nov 2022	23 Nov 2022	15	23 Oct 2022

Velocity:
Imagine we have a 5-day sprint duration, and the velocity of the team is 15(points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

Actual Velocity = Sprint Duration/Velocity=15/5=3

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

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.