

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53467
Project Name	Project - Car Resale Value Prediction
Maximum Marks	8 Marks

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

User	Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Admin	Sprint 1	Dataset collection	USN-1	Collect the required data for the Car resale prediction	2	High	Harish, Alagappan, Gunasekaran, Abishek
	Sprint 1	Data pre-processing	USN-2	Perform data cleaning to optimize the dataset	4	Medium	Alagappan, Harish
	Sprint 1	Training & Building Model	USN-3	Build the model using regression algorithms to classify the data	6	High	Harish, Alagappan, Gunasekaran, Abishek
	Sprint 2	Deploy the model	USN-4	Deployment of ML model using IBM Cloud	5	High	Gunasekaran, Abishek
	Sprint 4	Integration	USN-5	Integrate the web app developed using flask with IBM model	5	High	Alagappan, Harish
Customer	Sprint 2	Homepage	USN-6	Details about the application and the car resale process	2	Low	Gunasekaran, Abishek
	Sprint 2	Registration	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Harish, Abishek

User	Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Sprint 3	Confirmation	USN-8	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Alagappan, Gunasekaran
	Sprint 3	Login	USN-9	As a user, I can log into the application by entering email & password	4	High	Harish, Abishek
	Sprint 3	Dashboard	USN-10	As a user, I can add new cars and get access to insert and update their details	5	High	Harish, Alagappan, Gunasekaran
	Sprint 4	Car Details	USN-11	As a user, I should give the car details like car model, engine and fuel type, etc...	2	Medium	Gunasekaran, Abishek
	Sprint 4	Car Price	USN-12	As a user, I can view the current rate of the used car price	5	High	Alagappan, Gunasekaran, Abishek

#### 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	12	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	19 Nov 2022

**Velocity:**

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{12}{6} = 2$$

Burndown Chart:

