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

Date	21 October 2022
Team ID	PNT2022TMID30206
Project Name	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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Ravindhar K
Sprint-1		USN-2	As a user, I can register for the application through Mobile number.	3	Low	Sonika M
Sprint-1		USN-3	As a user, I can register for the application through Gmail	4	Medium	Ravindhar K
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Srirajasabari R
Sprint-2	Car details	USN-5	As a user, I should give the car details like car model, engine and fuel type, etc.	5	High	Sonika M
Sprint-4	Car price	USN-6	As a user, I can view the predicted rate of the used car price.	5	High	Narmadhai M
Sprint-3	User detail	USN-7	As a admin, I should store details of user.	6	Medium	Srirajasabai R
Sprint-2	Data Pre-Processing	USN-8	As a admin, I should clean and pre-process data using pandas.	5	High	Sonika M
Sprint-2		USN-9	As a admin, I should train and test the dataset using sklearn.	5	High	Narmadhai M
Sprint-3	Model Building	USN-10	As an admin, I should predict the accuracy of data using supervised machine learning.	12	High	Narmadhai M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	API	USN-11	As an admin, I should connect the presentation tier, logic tier and data tier using python flask.	10	High	Ravindhar K
Sprint-4	Notification	USN-12	As an admin, I should send the prediction chart via mail	5	Medium	Srirajasabari R

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	17	8 Days	22 Oct 2022	29 Oct 2022		
Sprint-2	15	4 Days	31 Oct 2022	03 Nov 2022		
Sprint-3	18	5 Days	04 Nov 2022	08 Nov 2022		
Sprint-4	20	4 Days	09 Nov 2022	12 Nov 2022		

Velocity:

Average velocity of sprint-1: AV = 17/8 = 2.125

Average velocity of sprint-2: AV = 15/4 = 3.75

Average velocity of sprint-3: AV = 18/5 = 3.6

Average velocity of sprint-4: AV = 20/4 = 5

Burndown chart: