Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID39909
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	Home Page	USN-1	As a user, I can view the home page of the web application.	20	Low	Suresh Kumar.P, Saran Pradeep.E
Sprint-2	Data Entry	USN-2	As a user, I can enter my car details in the application.	20	Medium	Suresh Kumar.P, Tamil Selvan.P
Sprint-3	Car resale value display	USN-3	As a user, I can view the resale value of my car.	20	Medium	Suresh Kumar.P, Sankaralingam.V
Sprint-4	Resale Value Prediction	USN-4	As a user, I expect the application to predict the resale value of my car.	20	Medium	Suresh Kumar.P, Saran Pradeep.E

Project Tracker, Velocity & Burndown Chart: (4 Marks)

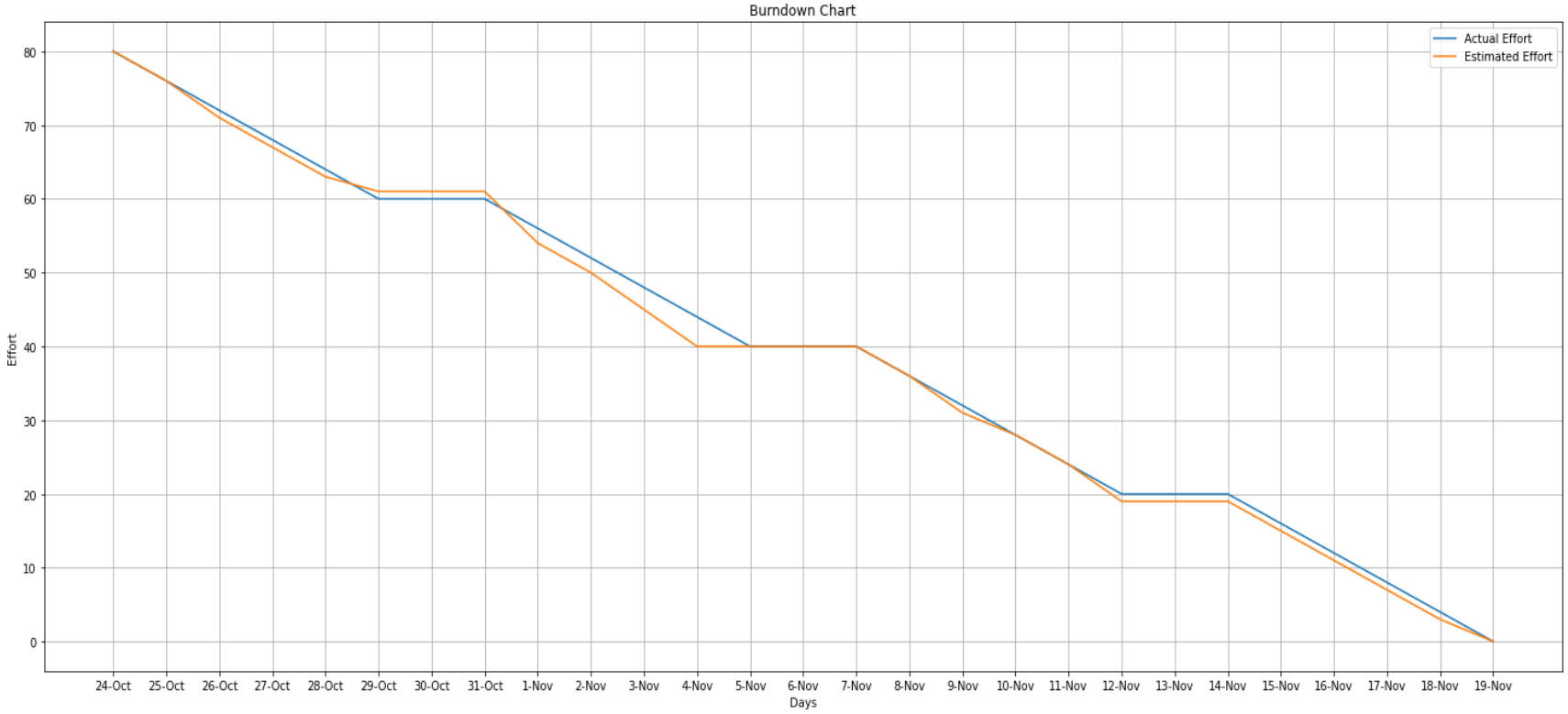
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

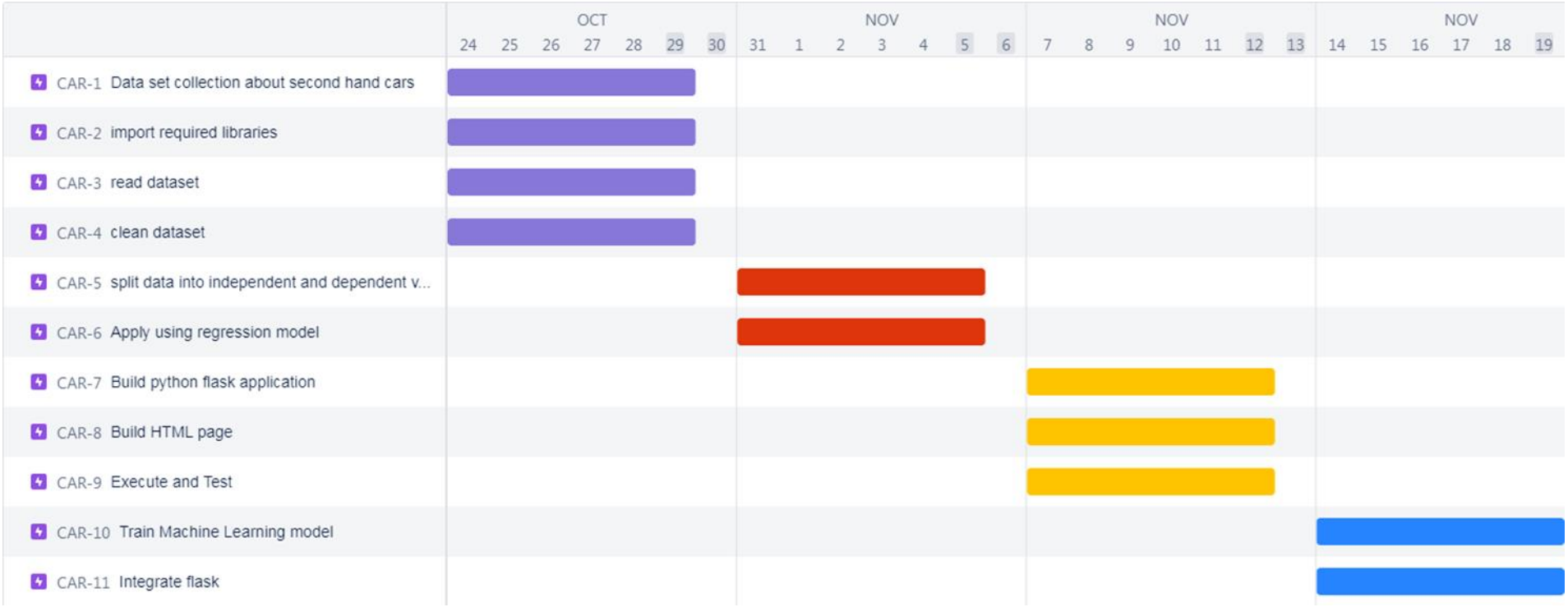
Velocity:
Imagine we have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$\textbf{Average Velocity} = \frac{20}{6} = 3.33$$

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.

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24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
CAR-1 Data set collection about second hand cars
CAR-2 import required libraries
CAR-3 read dataset
CAR-4 clean dataset
CAR-5 split data into independent and dependent v...
CAR-6 Apply using regression model
CAR-7 Build python flask application
CAR-8 Build HTML page
CAR-9 Execute and Test
CAR-10 Train Machine Learning model
CAR-11 Integrate flask