Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52696
Project Name	Project - Car resale value prediction
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (EDic)	User Story Numbe r	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Collection of Dataset	USN-I	Downloading dataset	1	High	Jaivant Mukunth Balaji Kalki
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	Jaivant Mukunth Balaji Kalki
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	Jaivant Mukunth Balaji Kalki
Sprint-2	Application Building	USN-4	Making API/ Build The Python Flask App Build an HTML Page Execute And Test The Model	3	Medium	Jaivant Mukunth Balaji Kalki
Sprint-3	Training The Model	USN5	Predicting/ Train The ML Model on IBM integrate Flask with Scoring End Point	2	High	Jaivant Mukunth Balaji Kalki
Sprint-4	Deploying in IBM Cloud	USN-6	Search Engine	2	High	Jaivant Mukunth Balaji Kalki

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

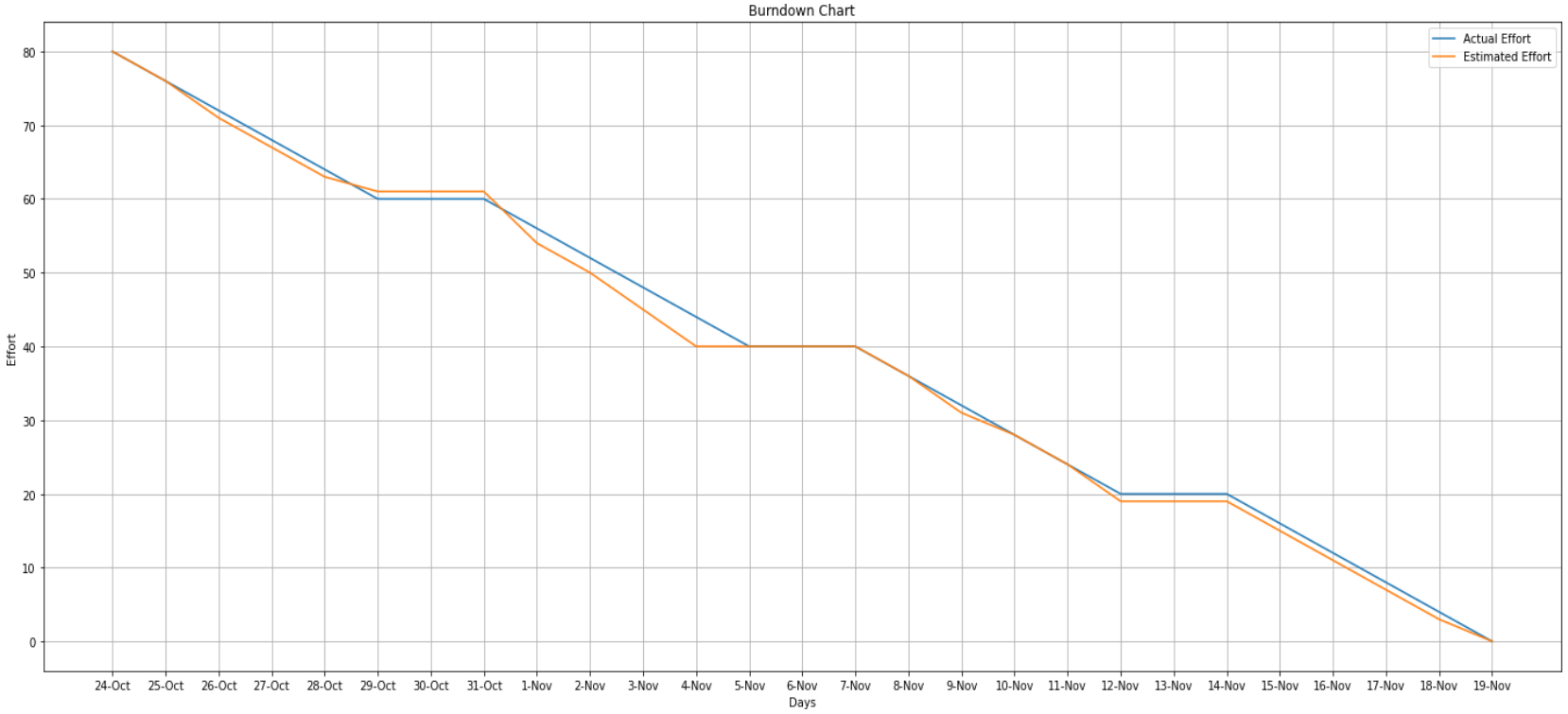
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

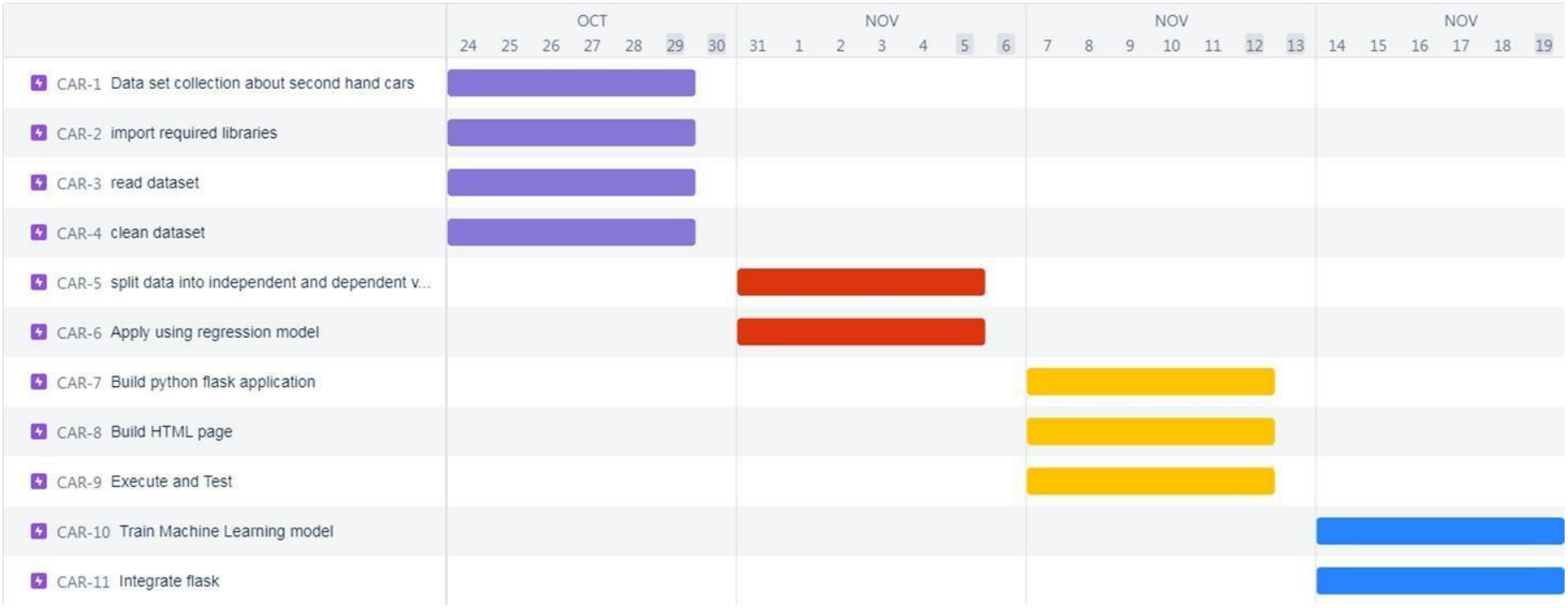
Velocity:
Imagine we have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

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