Project Planning Phase

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

Date	13 November 2022
Team ID	PNT2022TMID10714
Project Name	Car Resale value Prediction
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Pre-process the data	USN-1	Collect dataset	1	Low	Udhaya sankar R, Velmurugan S, Tharun kumar K K, Muthukumaran S, Vimalkumar S
		USN-2	Import requires and implement to use libraries	1	Low	Velmurugan S, Tharun kumar K K
		USN-3	Read and clean dataset	2	Low	Udhaya sankar R, Vimalkumar S, Muthukumaran S
		USN-4	Split data into two 1.independent 2.dependent variables	3	Medium	Tharun kumar K K, Vimalkumar S
Sprint-2	Model building	USN-1	Check the metrics of the model & Apply using regression model	3	Medium	Udhaya sankar R, Velmurugan S, Tharun kumar K K, Muthukumaran S, Vimalkumar S
Sprint-3	Application Building	USN-1	Build an HTML web page by using python flask	5	High	Udhaya sankar R, Tharun kumar K K, Muthukumaran S, Vimalkumar S
		USN-2	Execute and Evaluate the Test	5	High	Velmurugan S, Tharun kumar K K, Muthukumaran S, Vimalkumar S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	To Train the model	USN-1	Train and use the machine learning model	5	High	Udhaya sankar,R, Velmurugan S
		USN-2	Integrate the flask	5	High	Tharun kumar K K, Muthukumaran S, Vimalkumar 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	15 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	15 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	15 Oct 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	15 Oct 2022

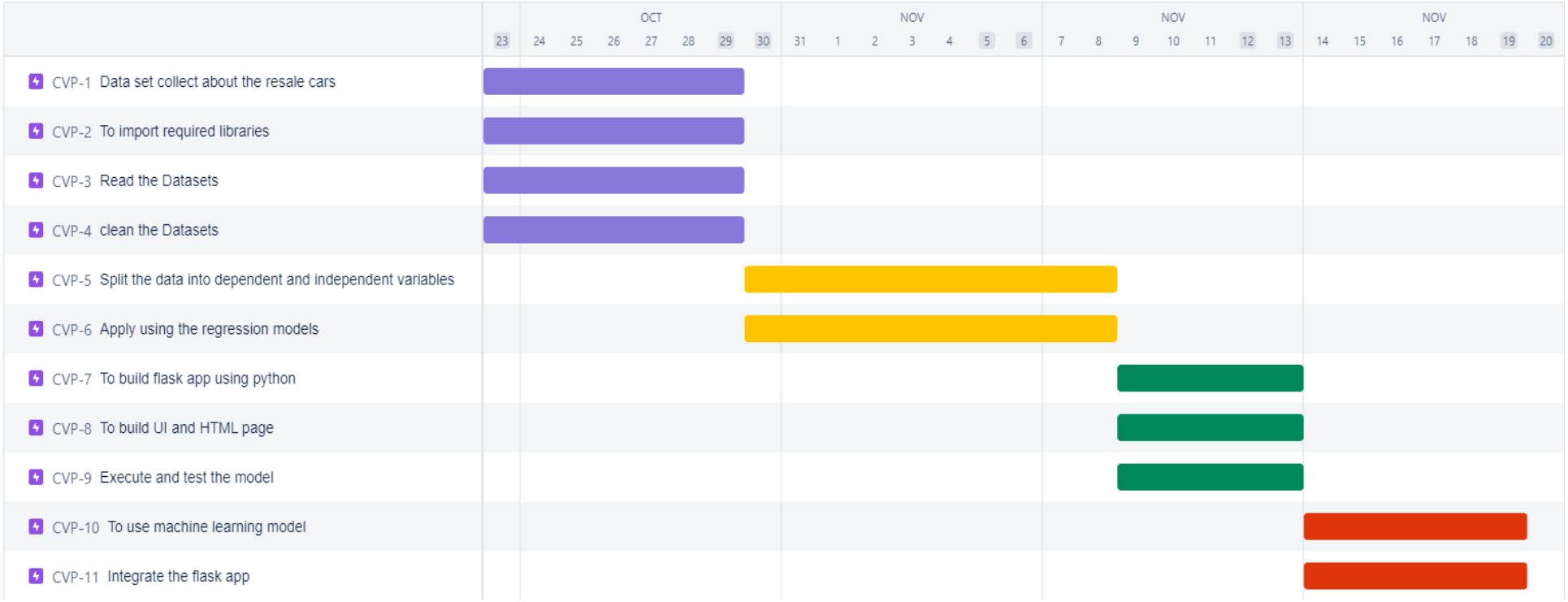
Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

AV=Sprint Duration/Velocity=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.

https://www.atlassian.com/agile/tutorials/burndown-charts



Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts