Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	24 October 2022
Team ID	PNT2022TMID05708
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 data	USN-1	Collect Dataset	1	Low	Sandhiya & Sathya
Sprint-1		USN-2	Import required libraries	1	Low	Sandhiya & Sathya
Sprint-1	Model building	USN-3	Read and clean data sets	2	Low	Sandhiya & Sathya
Sprint-2		USN-1	Split data into independent and dependent variables	3	Medium	Sandhiya & Sathya
Sprint-2	Application building	USN-2	Apply using regression model	3	Medium	Sandhiya & Sathya
Sprint-3		USN-1	Build python flask application and HTML page	5	High	Sandhiya, Sathya,Saslian, Gokhul
Sprint-3		USN-2	Execute and test	5	High	Sandhiya, Sathya,Saslian,Gokhul
Sprint-4	Training the model	USN-1	Train machine learning model	5	High	Sandhiya, Sathya,Saslian Gokhul

Sprint-4		USN-2	Integrate flask	5	High	Sandhiya, Sathya,Saslian ,Gokhul

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 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.