

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID10308
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	Pre-Process data	USN-1	Collect Dataset	1	Low	Sri Vishnu
Sprint-1		USN-2	Import Required Libraries	2	Low	Pranesh
Sprint-1		USN-3	Read and Clean data sets	2	Low	Vignesh
Sprint-2	Model Building	USN-4	Split data into independent and dependent variables	3	Medium	Sandeepkumar
Sprint-2		USN-5	Apply using regression model	3	Medium	Sri Vishnu
Sprint-3	Application Building	USN-6	Build python flask application and html page	5	High	Pranesh
Sprint-3		USN-7	Execute and test	5	High	Vignesh
Sprint-4	Training the model	USN-8	Train machine learning model	5	High	Sandeepkumar
Sprint-4		USN-9	Integrate Flask	5	High	Vignesh

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:

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

Sprint 1: 1 user stories x 20 story points=20

Sprint 2: 1 user stories x 20 story points=20

Sprint 3: 1 user stories x 20 story points=20

Sprint 4: 1 user stories x 20 story points=20

Total = 80

Average Sprint Velocity is 80/4=20

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.

