

## Project Planning Phase

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

Team ID	PNT2022TMID28400
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	Akshaya.P
Sprint-1		USN-2	Import required libraries	1	Low	AkshayaLakshmi.P
Sprint-1		USN-3	Read and clean data sets	2	Low	Keerthna.MP
Sprint-2	Model building	USN-1	Split data into independent and dependent variables	3	Medium	KabileshRaja
Sprint-2		USN-2	Apply using regression model	3	Medium	AkshayaLakshmi.P
Sprint-3	Application building	USN-1	Build python flask application and HTML page	5	High	Akshaya.P & Keerthna.MP
Sprint-3		USN-2	Execute and test	5	High	AkshayaLakshmi.P
Sprint-4	Training the model	USN-1	Train machine learning model	5	High	KabileshRaja & Akshaya.P
Sprint-4		USN-2	Integrate flask	5	High	Keerthna.MP

**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)

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

**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.

