Project Planning Phase

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

Date	18October 2022
Team ID	PNT2022TMID21521
Project Name	Project – 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	Collection and preprocessing the dataset		1. Collect dataset 2. Read dataset 3. Clean dataset 4. Split to independent and dependent variable	20	Low	Mitthun Krishna Kiruthik Saran Raaj Mathan Vendhan
Sprint-2	Model Building		1. Choose the model 2. Analysing metrics of model 3. Create Model 4. Save Model	20	Medium	Mitthun Krishna Kiruthik Saran Raaj Mathan Vendhan
Sprint-3	Application Building	USN-1 USN-2 USN-3	1. Build python flask app 2. Build html pages namely homepage and predict page 3. Execute and test the model	20	High	Mitthun Krishna Kiruthik Saran Raaj Mathan Vendhan
Sprint-4	Training and Deployment	USN-4	1. Train the model on IBM 2. Register for IBM cloud 3. Train the ML model on IBM 4. Integrate flask with Model	20	Medium	Mitthun Krishna Kiruthik Saran Raaj Mathan Vendhan

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.