# Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID42883 |
| Project Name | Project – Car resale value prediction |
| Maximum Marks | 4 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 | Dataset reading and Pre processing | USN-1 | Cleaning the dataset and splitting to dependent and independent variables | 2 | High | ASHWIN R A |
| Sprint-2 | Building the model | USN-2 | Choosing the appropriate model for building  and saving the model as pickle file | 1 | High | ASHWIN PRATHAP G |
| Sprint-3 | Application building | USN-3 | Using flask deploying the ML model | 2 | Medium | ASHWIN R A |
| Sprint-4 | Train the model in  IBM | USN-4 | Finally train the model on IBM cloud and  deploy the application | 2 | Medium | VIGNESH |

# Sprint Delivery Plan

|  |  |
| --- | --- |
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## 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 | 15 | 5 Days | 24 Oct 2022 | 29 Oct 2022 | 15 | 29 Oct 2022 |
| Sprint-2 | 15 | 5 Days | 31 Oct 2022 | 05 Nov 2022 | 15 | 05 Nov 2022 |
| Sprint-3 | 15 | 5 Days | 07 Nov 2022 | 12 Nov 2022 | 15 | 12 Nov 2022 |
| Sprint-4 | 15 | 5 Days | 14 Nov 2022 | 19 Nov 2022 | 15 | 19 Nov 2022 |

**Velocity:**

We have a 5-day sprint duration, and the velocity of the team is 15 (points per sprint). The team’s average velocity (AV) per iteration unit (story points per day)

## Actual Velocity = Sprint Duration/Velocity = 15/5 = 3

**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

