Project Planning Phase

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID52807 |
| Project Name | Machine Learning Based Vehicle Performance Analyzer |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Visiting Webpage | USN-1 | As a user, I can able to view the website. | 10 | Low | Team leader |
| Sprint-1 | Design | USN-2 | As a user, I can Enter the data of the vehicle. | 20 | High | Team  member1 |
| Sprint-2 | Result | USN-3 | As a user, I can get the predicted performance of the vehicle using the given data. | 20 | High | Team  member2 |
| Sprint-3 | Design | USN-4 | As a user, I want the good user experience. | 10 | Low | Team member3 |
| Sprint-3 | Result | USN-5 | As a user, I want the website to work fast and predict the performance quickly. | 10 | Low | Team leader |
| Sprint-4 | Result | USN-6 | As a user, I expect the prediction is highly accuracy. | 20 | High | Team leader |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 30 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 30 | 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 |
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# 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)



# 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.

