Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID10076 |
| Project Name | Trip Based Modelling of Fuel Consumption |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my username, email, password, organization name, and employee position. | 4 | High | Vishnu Prasad M  Thejus |
| Sprint-1 | Login | USN-2 | As a user, I can log into the application by entering username/email & password | 3 | High | Vishnu Narayanan S  Riddhima Jandla |
| Sprint-2 | Dashboard | USN-3 | As a user, I will be able to see the profile details and login details | 2 | Medium | Sreedev s Nair  Vishnu Prasad M |
| Sprint-2 | Entering input | USN-4 | After entering the dashboard, I will give the input parameters for prediction | 2 | Medium | Thejus  Riddhima Jandla |
| Sprint-2 | Viewing output | USN-5 | As a user, I will get the predicted output | 6 | High | VishnuNarayananS  Sreedev s Nair |
| Sprint-3 | Report generation | USN-6 | As a user, I will get a detailed report of output | 5 | Medium | Vishnu Prasad M  Riddhima Jandla |
| Sprint-4 | Instructions | USN-7 | As a user, I can go through the instructions in the site to carry out the prediction process. | 4 | Low | Vishnu Narayanan S  Thejus |
| Sprint-4 | Portal Configuration | USN-8 | As a developer, I can configure the portal for easy use by customer | 5 | Medium | Vishnu Prasad M  Sreedev s Nair |

# 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 | 7 | 6 Days | 24 Oct 2022 | 29 Oct 2022 |  |  |
| Sprint-2 | 10 | 10 Days | 31 Oct 2022 | 9 Nov 2022 |  |  |
| Sprint-3 | 5 | 2 Days | 11 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 9 | 3 Days | 14 Nov 2022 | 16 Nov 2022 |  |  |

**Velocity:**

|  |  |
| --- | --- |
| Sprint | Average velocity |
| Sprint 1 | 1.17 |
| Sprint 2 | 1 |
| Sprint 3 | 2.5 |
| Sprint 4 | 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.

