Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 19 November 2022 |
| Team ID | PNT2022TMID31228 |
| Project Name | Detection of parkinson’s disease using  machine learning. |
| 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-processing data | USN-1 | Collect dataset | 5 | High | Rukshana |
| Sprint-1 |  | USN-2 | Import the required libraries, Read & clean the datasets. | 5 | High | Sowmiya |
| Sprint-2 | Building the model | USN-1 | Split data into dependent and independent variables. | 4 | High | Menaga |
| Sprint-2 |  | USN-2 | Apply using regression model | 2 | Medium | Jayachitra |
| Sprint-3 | Application Building | USN-1 | Build python flask application and HTML page | 5 | High | Rukshana |
| Sprint-3 |  | USN-2 | Execute and test the application | 2 | Medium | Menaga |
| Sprint-4 | Training the Model | USN-1 | Train machine learning model | 5 | High | Sowmiya |
|  |  | USN-2 | Integrate flask | 5 | High | Jayachitra |

# 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)



# 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.

