Project Planning Phase

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

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| Date | February 2024 |
| Team ID | Team-591930 |
| Project Name | "Predicting Mental Health Illness of Working Professionals 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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Prediction Accessibility | PS-001 | Users can access the mental health prediction tool on their smartphones. | 3 | High | Mrunmayee, Aniruddha |
| Sprint-1 | Prediction Accessibility | PS-002 | Users can access the mental health prediction tool on their desktop browsers. | 3 | High | Mrunmayee, Aniruddha |
| Sprint-1 | Prediction Review | PS-004 | Customer care executives can review the mental health predictions for employees. | 5 | Medium | Mrunmayee, Aniruddha |
| Sprint-1 | Data Management | PS-005 | Administrators can manage the data used for mental health prediction. | 8 | High | Mrunmayee, Aniruddha |
| Sprint-2 | Prediction Model Enhancement | PS-006 | Data scientists can improve the accuracy of the mental health prediction model. | 8 | High | Mrunmayee, Aniruddha |
| Sprint-2 | User Feedback Incorporation |  | Product owners can incorporate user feedback to enhance the prediction tool. | 5 | High | Mrunmayee, Aniruddha |
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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)** |
| 1 | 19 | 2 Days | Jan 2024 | Jan 2024 | 17 | Jan 2024 |
| 2 | 13 | 2 Days | Jan 2024 | Jan 2024 | 13 | Jan 2024 |
| 3 | 20 | 2 Days | Jan 2024 | Jan 2024 | 0 | Jan 2024 |
| 4 | 15 | 2 Days | Jan 2024 | Jan 2024 | 0 | Jan 2024 |
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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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/> <https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management> <https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software> <https://www.atlassian.com/agile/tutorials/epics> <https://www.atlassian.com/agile/tutorials/sprints> <https://www.atlassian.com/agile/project-management/estimation> <https://www.atlassian.com/agile/tutorials/burndown-charts>