# Project Planning Phase

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

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|---|---|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID02233 |
| Project Name | Project – Statistical Machine Learning Approaches to Liver Disease Prediction |
| 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 enter into the website with the help of the Google chrome browser in Windows | 2 | High | Rakesh RM |
| Sprint-1 | Registration | USN-2 | As a user, I can enter into the website through browser in Android | 1 | High | Sachin Bangera S |
| Sprint-1 | Registration | USN-3 | As a user, I can enter into the website through browser in ios | 2 | Medium | Sanjeevi Narayanan |
| Sprint-1 | Login | USN-4 | As a user, I can find the Liver Disease Prediction prediction page in the website | 1 | High | Sanjay kumaraswamy |

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|---|---|---|---|---|---|---|
| Sprint-2 | Home Page | USN-5 | As a user, I need to select the parameters like Age,gender, Albumin,protiens etc and click on the submit button | 2 | High | Sachin Bangera S |
| Sprint-3 | Home Page | USN-6 | As a user, I can see the accurate results for Liver Disease Prediction after entering the details. | 2 | High | Sanjay kumaraswamy |
| Sprint-4 | Home Page | USN-7 | As a user, If I done a mistake while providing the details , I can reset the details and click the submit button. | 1 | Low | Sanjeevi Narayanan |

**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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

**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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.