# Project Planning Phase

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

| | |
|---|---|
| **Date** | **06 November 2022** |
| **Team ID** | **PNT2022TMID05432** |
| **Project Name** | **Statistical Machine Learning Approaches To Liver Disease Prediction** |

## 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 email, password, and confirming my password. | 5 | High | Eswaran S |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email Once I have registered for the application | 5 | High | Kamesh P |

| | | | | | | |
|---|---|---|---|---|---|---|
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 10 | High | Karmegam R |
| Sprint-2 | Input Necessary Details | USN-4 | As a user, I can give Input Details to Predict Likeliness of Liver Disease. | 15 | High | Kamesh P |
| Sprint-2 | Data pre-processing | USN-5 | Transform raw data into suitable format for prediction. | 5 | High | Eswaran S |
| Sprint-3 | Prediction of Liver Disease | USN-6 | As a user, I can predict Liver Disease Using machine learning model. | 15 | High | Hari Kishore B |
| Sprint-3 | . | USN-8 | As a user, I can get accurate prediction of Liver disease. | 5 | Medium | Karmegam R |
| Sprint-4 | Review | UNS-8 | As a user, I can give feedback of The application | 20 | High | Eswaran S |

## Tracker, Velocity & Burn down 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 Oct2022 | 29 Oct 2022 | 18 | 08 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 17 | 06 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 18 | 08 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 17 | 10 Nov 2022 |

## Velocity:

Imagine we have a 6-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=Sprint duration/velocity = 6/20=0.3**

## Burn down Chart: