

## Project Planning Phase

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

Date	06 November 2022
Team members	Abinaya M
Team ID	PNT2022TMID43782
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	Preethi U
Sprint-1		USN-2	As a user, I will receive confirmation email Once I have registered for the application	5	High	Abinaya M

Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	10	High	Bhuvanasri J
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likelihood of Liver Disease.	15	High	Abinaya M
Sprint-2	Data pre-processing	USN-5	Transform raw data into suitable format for prediction.	5	High	Preethi U
Sprint-3	Prediction of Liver Disease	USN-6	As a user, I can predict Liver Disease Using machine learning model.	15	High	Lavanya S
Sprint-3	.	USN-8	As a user, I can get accurate prediction of Liver disease.	5	Medium	Bhuvanasri
Sprint-4	Review	UNS-8	As a user, I can give feedback of The application	20	High	Preethi U

**Tracker, Velocity & Burn down Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date(Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date(Actual)</b>
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)

$$AV = \text{Sprint duration} / \text{velocity} = 6 / 20 = 0.3$$

## Burn down Chart:

