

## Project Planning Phase

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

Date	29-10-2023
Team ID	Team-613637
Project Name	Own project - Intelligence Health Prediction System
Maximum Marks	5 Marks

#### Product Backlog, Sprint Schedule, and Estimation (3 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	Health Prediction	USN-1	As a User, I want to input my health data.	4	High	
Sprint-1		USN-2	As a User, I want the system to analyze my health data and provide predictions.	6	High	
Sprint-2		USN-3	As a User, I want the system to display predictions in an easy-to-understand format.	3	Medium	
Sprint-1	Notification	USN-4	As a User, I should have the option to customize notification preferences	1	Low	
Sprint-1	Data Input Module	USN-5	As a Healthcare Professional, I want access to detailed predictions and underlying data for decision support.	7	High	

**Project Tracker, Velocity & Burndown Chart: (2 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	35	5 Days	25-10-2023	29-10-2023	30	29-10-2023
Sprint-2	25	5 Days	26-10-2023	30-10-2023	25	30-10-2023
Sprint-3	20	5 Days	27-10-2023	31-10-2023	20	31-10-2023
Sprint-4	20	5 Days	28-10-2023	01-11-2023	20	01-11-2023

**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)

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

### **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.

<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://chat.openai.com/>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>