

Project Planning Phase

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

Date	08 November 2023
Team ID	592988
Project Name	Disease Prediction 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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Disease Prediction	USN-1	The patient aims to utilize a machine learning model to identify and treat diseases based on their symptoms for early diagnosis and treatment.	2	High	Yasoda Rushitha
Sprint-1	Disease Prediction	USN-2	The healthcare provider plans to utilize a machine learning model for more precise and efficient disease diagnosis, thereby enhancing patient care.	1	Medium	Sreya Yarramaddu
Sprint-1	Disease Prediction	USN-3	The researcher aims to develop improved methods for disease diagnosis by training and evaluating machine learning models for disease detection.	2	High	Abhinav Kalluri
Sprint-2	Disease Prediction	USN-4	The public health officer aims to use machine learning models to identify and monitor disease outbreaks, thereby effectively preventing their spread.	2	High	Luv Sachdeva
Sprint-2	Disease Prediction	USN-5	Pharmaceutical company uses machine learning to identify drug targets and develop disease treatments, enhancing patient lives.	1	Medium	Sreya Yarramaddu

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	5	6 Days	01 Nov 2023	05 Nov 2023	20	05 Nov 2023
Sprint-2	5	6 Days	06 Nov 2023	11 Nov 2023		
Sprint-3	5	6 Days	12 Nov 2023	17 Nov 2023		
Sprint-4	5	6 Days	18 Nov 2023	23 Nov 2023		

Velocity:

Imagine we have a 20-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)

$$AV = \frac{\textit{Sprint Duration}}{\textit{velocity}} = \frac{24}{20} = 1.2$$

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://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>