

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

<b>Date</b>	18 October 2022
<b>Team ID</b>	PNT2022TMID08156
<b>Project Name</b>	Early Detection of Chronic disease prediction using Machine learning
<b>Maximum Marks</b>	8 Marks

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint-1</b>	Dataset collection	USN-1	I need to collect the dataset of various patients	5	High	Prabhu, Kannan
<b>Sprint-1</b>	Dataset upload	USN-2	I need to upload the dataset in the required software to work	5	High	Prabhu, Kannan
<b>Sprint-1</b>	Data Preprocessing	USN-3	I need to import libraries, Reading the dataset, ESD, Splitting the dataset, Checking for null values and handling null values, Data visualization, Splitting the dataset	10	High	Prabhu, Kannan
<b>Sprint-2</b>	Model Building	USN-4	I need to Train and Test the Model	5	High	Lokaprabhu, Harishkumar
<b>Sprint-2</b>		USN-5	I need to do Model evaluation	5	Medium	Lokaprabhu, Harishkumar
<b>Sprint-2</b>		USN-6	I need to Save model	10	High	Lokaprabhu, Harishkumar
<b>Sprint-3</b>	Application building	USN-7	I need to create a html file for login and register	4	Medium	Prabhu, Kannan
<b>Sprint-3</b>		USN-8	I need to build up a python code to build a python code and attach html file	5	High	Prabhu, Kannan

<b>Sprint-4</b>	Train model on IBM	USN-9	I need to train my model in ibm and integrate flask	10	High	Prabhu, Kannan, Harishkumar, Lokaprabhu
Sprint-4	Dashboard	USN-10	As a user, I need to enter my details	1	medium	Prabhu, Kannan, Harishkumar,
Sprint-4	Prediction	USN-11	As a user, I need to provide my Test result details	3	High	Prabhu, Kannan, Harishkumar, Lokaprabhu

Sprint-4	Admin	USN-12	As a admin I need to provide valid result	4	High	Prabhu, Kannan, Harishkumar, Lokaprabhu
Sprint-4		USN-7	As a admin I need to provide valid /useful suggestions	8	Medium	Prabhu, Kannan, Harishkumar, Lokaprabhu
Sprint-4	Data Process	USN-8	As a admin need to collect and store all the details and information.	16	High	Prabhu, Kannan, Harishkumar, Lokaprabhu

**Project Tracker, Velocity & Burndown 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>
<b>Sprint-1</b>	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
<b>Sprint-2</b>	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
<b>Sprint-3</b>	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
<b>Sprint-4</b>	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)

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

**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://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>