

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

<b>Date</b>	18 October 2022
<b>Team ID</b>	PNT2022TMIDD53042
<b>Project Name</b>	Detection of Parkinson's Disease 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>
Sprint – 3	Dashboard	USN – 1	As a user, I can connect to the website through a link	2	High	Digant Mehul Gandhi, Vasundhhara Singh Katoch
Sprint – 2	Input Data	USN – 2	As a user, I can feed my data as input into the application	2	High	Abhay Kumar Tiwari, Pratishtha
Sprint – 3	Check Prediction	USN – 3	As a user, I can check the result predicted by the application	1	High	Abhay KumarTiwari
Sprint – 4	Medical Suggestion	USN – 4	As a user, I can get medical advice and recommendations	1	Low	Vasundhhara SinghKatoch ,Pratishtha
Sprint – 1	Login	USN – 5	As a user, I can login into the system	1	High	Digant Mehul Gandhi
Sprint – 1	Register	USN - 6	As a new user, I can register in the system	2	High	Digant Mehul Gandhi
Sprint – 4	Checking the proper working of the system	USN - 7	As an admin, I can administer the proper working of the application	2	Medium	Abhay Kumar Tiwari, Vasundhhara Singh Katoch ,Pratishtha

**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	3	6 Days	24 Oct 2022	29 Oct 2022	3	29 Oct 2022
Sprint – 2	2	6 Days	31 Oct 2022	05 Nov 2022	2	31 Oct 2022
Sprint – 3	3	6 Days	07 Nov 2022	12 Nov 2022		
Sprint – 4	3	6 Days	14 Nov 2022	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)

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

#### Average Velocity:

Average Velocity per sprint =  $(3 + 2 + 3 + 3)/4 = 2.75$

Story points per day/Average Velocity =  $2.75/6 = 0.46$

#### 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.

We will upload the same to the Jira Files directory.