

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID15817
Project Name	Project - Detecting Parkinson's Disease 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Keerthana E, Janani P
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Janani S, Hemalatha S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Janani S, Keerthana E
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Hemalatha S, Janani P
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Keerthana E, Hemalatha S
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Janani P, Janani S
Sprint-1	Login	USN-7	As a user, I can log into the web application and access the dashboard	1	High	Keerthana E, Janani P

Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	Janani S, Hemalatha S
<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	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	High	Keerthana E, Janani S
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	Medium	Hemalatha S, Janani P
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Hemalatha S, Keerthana E
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	Janani P, Janani S

#### 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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	2	6 Days	14 Nov 2022	19 Nov 2022	2	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)

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

$$AV \text{ (Sprint 1)} = 7/6 = 1$$

$$AV \text{ (Sprint 2)} = 4/6 = 1$$

$$AV \text{ (Sprint 3)} = 6/6 = 1$$

$$AV \text{ (Sprint 4)} = 2/6 = 1$$

$$AV \text{ (Total )} = 21/24 = 1$$