

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52927
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	Data Collection	USN-1	As a developer, I need to collect the data, which are the hand drawn spiral and wave images which is done by the patient.	5	Medium	Krishna Chaitanya Dutt Aditya HC
Sprint-1	Image Pre-Processing	USN-2	As a developer, I want to pre-process the image by converting it from RGB to grayscale and resizing.	5	High	Krishna Chaitanya Dutt Aditya HC
Sprint-1	Model Building 1	USN-3	As a developer, I want to use Histogram of Oriented Gradients (HOG) to extract the features of the images.	5	High	Krishna Chaitanya Dutt Aditya HC
Sprint-2	Model Building 2	USN-4	As a developer, I want to use Random Forest Classifier to classify the data into Normal and Parkinson's.	10	Medium	Kishore Eshwar Nevedh SK
Sprint-2	Model Deployment	USN-5	As a developer, I want to deploy the ML Model which I built.	5	High	Kishore Eshwar Nevedh SK
Sprint-3	Application Building	USN-6	As a developer, I want to build an app which a person can use to check whether the user has Parkinson's disease or not.	10	High	Kishore Eshwar Nevedh SK

**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>
Sprint-1	15	8 Days	24 Oct 2022	31 Oct 2022	15	31 Oct 2022
Sprint-2	15	8 Days	1 Nov 2022	08 Nov 2022	10	09 Nov 2022
Sprint-3	10	8 Days	08 Nov 2022	15 Nov 2022	15	15 Nov 2022

**Velocity:**

$$\text{SPRINT 1} = 15/8 = 1.875$$

$$\text{SPRINT 2} = 15/8 = 1.875$$

$$\text{SPRINT 3} = 10/8 = 1.25$$

**Burndown Chart:**

# Sprint Planning board



EK

GROUP BY 

None

TO DO	IN PROGRESS 1 ISSUE	DONE 5 ISSUES <span>✓</span>	
<div>+ Create issue</div>	<div>Application Building</div> <div><div>✓</div> IP-6</div>	<div>Image Preprocessing</div> <div><div>✓</div> IP-2 <span>✓</span></div> <div>Data Collection</div> <div><div>✓</div> IP-1 <span>✓</span></div> <div>HOG Implementation</div> <div><div>✓</div> IP-3 <span>✓</span></div> <div>Random Forest Classifiers Implementation</div> <div><div>✓</div> IP-4 <span>✓</span></div> <div>Model Deployment</div> <div><div>✓</div> IP-5 <span>✓</span></div>	<div>+</div>