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

Date	29 October 2022
Team ID	PNT2022TMID32832
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-3	Home Page	USN-1	Description about the Parkinson's disease.	2	Low	Harini S
Sprint-3		USN-2	Details about the symptoms of the user is required.	1	Low	Samyuktha C
Sprint-3	Registration	USN-3	As a user, I can register to the web application by entering my username, email, phone number, and password, and confirming my password.	2	Moderate	Harini S
Sprint-3		USN-4	As a user, I will receive a confirmation mail once I have signed up.	5	High	Nishanthini
Sprint-2	Login	USN-5	As a user, I can log in to the web application by entering my email id & password.	2	High	Samyuktha C
Sprint-4	Main Page(Test vitals)	USN-6	As a user, I submit the symptoms and the medical history required for the prediction.	2	Moderate	Aswini Devi B
Sprint-4	Results	USN-7	Results will be displayed along with their accuracy.	3	High	Nishanthini S
Sprint-1	Data collection	USN-8	Collect the required data for the detection of Parkinson's disease	1	High	Aswini Devi B
Sprint-1	Data preprocessing	USN-9	Clean and analyze the data to avoid noise and duplications	1	High	Aswini Devi B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Model Building	USN-10	Build the model using a Random forest classifier and HOG to classify the images.	2	High	Samyuktha C
Sprint-2	Deploy the model	USN-11	Deployment of ML model using IBM Watson...	2	High	Harini S
Sprint-2	Integrate the web app with the IBM model	USN-12	Usage of flask for the integration purpose	2	Moderate	Nishanthini 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	4	6 Days	24 Oct 2022	29 Oct 2022	4	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	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)

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