Project Planning Phase

Date	18 October 2022
Team ID	PNT2022TMID52690
Project Name	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 username, email, phone number, address, occupation, password and confirming my password.	2	High	Naveenraj.C, Sankar Satish.
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Naveenraj.C, Sankar Satish.
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	2	Low	Naveenraj.C, Sankar Satish, and Akash Louis.
Sprint-2	Image Uploading and Processing	USN-4	As a user, I can upload the image to the application for the purpose of diagnosis.	2	High	Dhakshesh T, Akash Louis
Sprint-2	Identification/ Prediction	USN-5	As a user, I can verify with the application that the image is used for the prediction.	1	Medium	Dhakshesh, Akash Louis, Naveenraj.
Sprint-3		USN-6	As a user, I can use the application for preliminary analysis.	2	High	Dhakshesh, Sankar Satish.
Sprint-3	Accuracy	USN-7	As a user, I can understand the accuracy of the prediction that the model has produced.	2	Medium	Naveenraj, Sankar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Satish, Akash Louis
Sprint-4	Medical Suggestions	USN -8	As a user, I would like to take further steps in treatment of the condition.	1	Medium	Dhakshesh T, Sankar Satish.
Sprint-4	Obtaining the data.	USN – 9	As the medical examiner, I can retrieve the results and the input data.	1	Low	Naveenraj, Akash Louis.

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	5	6 Days	24 Oct 2022	29 Oct 2022	5	02 Nov 2022
Sprint-2	3	6 Days	31 Oct 2022	05 Nov 2022	3	04 Nov 2022
Sprint-3	4	6 Days	07 Nov 2022	12 Nov 2022	4	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)

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