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

Date	15 November 2022
Team ID	PNT2022TMID18808
Project Name	Project - Detecting Parkinson's Disease usingMachine 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.	10	High	Vijaya Lakshmi S Shanmathi B Sivagayathri P
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	8	High	Soniya S Sivagayathri P
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Vijaya Lakshmi S Soniya S Shanmathi B
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	6	Medium	Vijaya Lakshmi S Soniya S Shanmathi B Sivagayathri P

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	10	High	Vijaya Lakshmi S Sivagayathri P
Sprint-2	Data Collection	USN-6	Once logged in, voice data is collected and perform pre-processing.	4	Medium	Vijaya Lakshmi S Soniya S Shanmathi B Sivagayathri P
Sprint-3	Implementation	USN-7	As an admin, split the dataset for training and testing in 80:20 ratio.	6	Medium	Vijaya Lakshmi S Soniya S Shanmathi B Sivagayathri P
Sprint-3	Implementation	USN-8	Application uses to find the hyperplane.	10	High	Vijaya Lakshmi S Soniya S
Sprint-4	Deployment	USN-9	Predict the results.	10	High	Vijaya Lakshmi S Soniya S Shanmathi B Sivagayathri P
Sprint-4		USN-10	Deploy the model on IBM cloud.	6	Medium	Vijaya Lakshmi S Soniya S Shanmathi B Sivagayathri P

Project Tracker, Velocity & Burn down 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	10	6 Days	24 Oct 2022	29 Oct 2022	10	17 November 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	17 November 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	17 November 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	17 November 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)

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

Burn down 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts