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

Date	18 October 2022
Team ID	PNT2022TMID28122
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.	10	High	Madhumitha C Rejoline Vincima S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	8	High	Poojaloshini B Jereshea J M
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Kolakaluru Mounisha Madhumitha C
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	6	Medium	Rejoline Vincima S Jereshea J M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	10	High	Poojaloshini B Madhumitha C
Sprint-2	Data Collection	USN-6	Once logged in, voice data is collected and perform pre-processing.	4	Medium	Jereshea J M Kolakaluru Mounisha
Sprint-3	Implementation	USN-7	As an admin, split the dataset for training and testing in 80:20 ratio.	6	Medium	Kolakaluru Mounisha Poojaloshini B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Implementation	USN-8	Application uses to find the hyperplane.	10	High	Jereshea J M Madhumitha C
Sprint-4	Deployment	USN-9	Predict the results.	10	High	Rejoline Vincima S Jereshea J M
Sprint-4		USN-10	Deploy the model on IBM cloud.	6	Medium	Poojaloshini B Jereshea J M Madhumitha C Rejoline Vincima S Kolakaluru Mounisha

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

Burndown 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