Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	31 October 2022
Team ID	PNT2022TMID39642
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	StoryPoints	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register forthe application by entering my email, password, and confirming my password.	3	High	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint-1		USN-2	As a user, I will receive confirmation email once Ihave registered for the application	2	High	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint-2		USN-3	As a user, I can register forthe application through Facebook	3	Low	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint-2		USN-4	As a user, I can register forthe application through Gmail	3	Medium	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R

Sprint	Functional Requirement	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Login	USN-5	As a user, I can log into the application by enteringemail & password	3	High	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint-3	Dashboard	USN-6	As a user, I can upload my images and get my details	3	High	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint-1	Logout	USN-7	As a user I can logout successfully	2	Medium	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint-4	Feedback	USN-8	A customer care executive, I can able tointeract with all the customer and get their feedback which is used to enhance the scope of the project	2	Medium	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint- 3	Image processing localization	USN-9	The uploaded image is Pre-processed and fed into trained model.	3	High	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint- 4	Classification and prediction	USN-9	The model classifies and predicts the type of disease.	3	High	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R
Sprint- 4	Report generation	USN-10	Based on the prediction of Parkinson's disease, the health care is generated to provide the feedback.	2	Medium	Shyam Ganesh E, Nadeem Sheriff E, Nandhakumar R, Karthik P, Sanju R

Project Tracker, Velocity & Burndown Chart: (4 Marks)

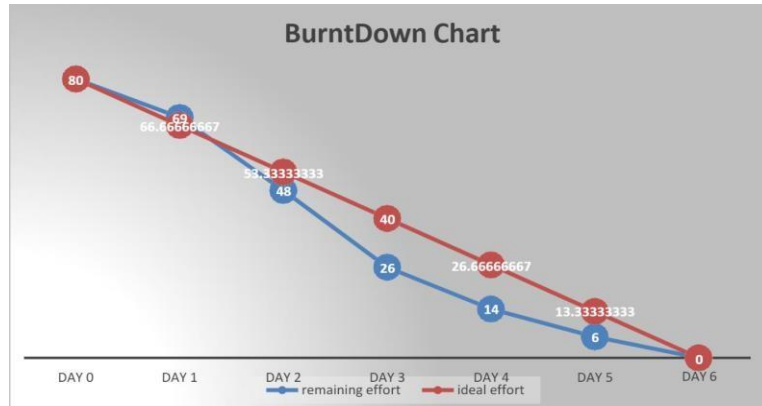| Sprint	Total Story Points	Duration	SprintStart Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	08 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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