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

Date	18 October 2022
Team ID	PNT2022TMID11558
Project Name	Project - Detecting Parkinson's Disease using Machine Learning

Product Backlog, Sprint Schedule, and Estimation

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	Registeration	USN - 1	As a user, I will receive confirmation email once I have registered for the application	4	High	Jothyshivani Amirthavarshini Harsika
Sprint - 1	Login	USN - 2	As a user, I can log into the application by entering email & password	2	High	Jothyshivani Amirthavarshini Harsika
Sprint - 1	Logout	USN - 3	As a user , I can logout after completion of work	2	High	Jothyshivani Amirthavarshini Harsika
Sprint - 2	Viewing the Home Page	USN - 4	As a user, I can view the home page which has a description of the disease	4	High	Amirthavarshini Jothyshivani Preethi
Sprint - 2	Information Page	USN - 5	As a user, I can view the info to know the information about the Parkinson Disease	2	Medium	Amirthavarshini Jothyshivani Preethi
Sprint - 2	User Page	USN - 6	As a user, I can navigate to the user page after successful log - in	5	Medium	Amirthavarshini Jothyshivani Preethi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 2	Image Uploading and Processing	USN - 7	As a user, I can upload the image to the application for the purpose of diagnosis	6	Low	Amirthavarshini Jothyshivani Preethi
Sprint - 2	Identification/ Prediction	USN - 8	As a user, I can verify with the application that the image is used for the prediction.	2	Medium	Amirthavarshini Jothyshivani Preethi
Sprint - 3	Training and Testing Data	USN - 9	I need to build the model using the data mining process such as KNN,Radom Forest Classifier	4	High	Jothyshivani Preethi Harsika
Sprint - 3	Accessing the model using metrices	USN - 10	I need to measure the performance of the model using regression metrics	5	Medium	Jothyshivani Preethi Harsika
Sprint - 4	Application Buildings	USN - 11	I need to build the website for the Model	4	Medium	Jothyshivani Preethi Harsika Amirthavarshini
Sprint - 4	Checking Model	USN - 12	I need to check the model works on the website	3	Medium	Jothyshivani Preethi Harsika Amirthavarshini
Sprint - 4	Model Deployment	USN - 13	I need to deploy the Machine learning Model	2	Low	Jothyshivani Preethi Harsika Amirthavarshini
Sprint - 4	Result Accuracy	USN - 14	As a user, I can understand the accuracy of the prediction that the model has produced	4	Medium	Jothyshivani Preethi Harsika Amirthavarshini

Project Tracker, Velocity & Burndown Chart:

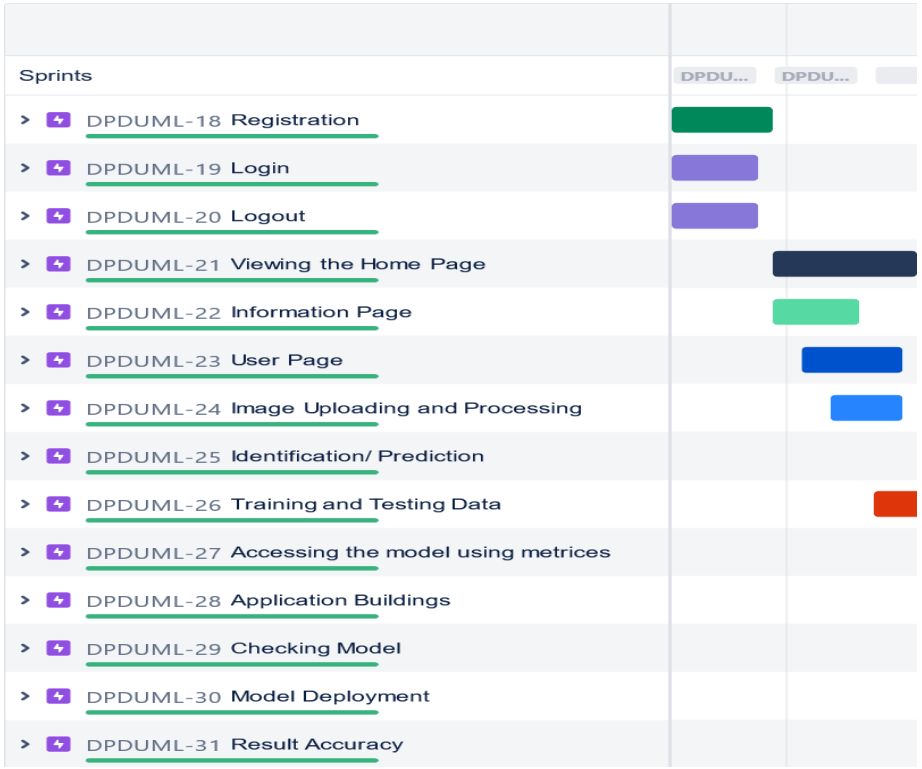
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	03 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

Srum with Jira Software



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/

Reference:

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