Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID08567
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-4	Viewing Home Page	USN-1	As a user, I can view the home page which has a description of the disease as well as options to sign up or log in.	2	Low	Reena Reemaa Yuvasri
Sprint-4	Sign Up Page	USN-2	As a user, I can register for the application by entering my name, phone number, email, password, and confirming my password.	2	High	Reemaa Reena Yuvasri Nithish
Sprint-4	Authorization	USN-3	As a user, I will receive confirmation email once I have registered for the application.	2	High	Reemaa Reena Yuvasri Nithish
Sprint-4	Login	USN-4	As a user, I can log into the application by entering email & password.	2	High	Reemaa Reena Yuvasri Nithish
Sprint-4	Dashboard	USN-5	As a user, I can upload images of spiral and wave to the website in order to receive a diagnosis.	2	High	Reemaa Reena Yuvasri Nithish
Sprint-4	Results	USN-6	As a user, I can receive a diagnosis in addition to recommendations on what I should do now.	2	High	Reemaa Reena

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Yuvasri Nithish
Sprint-1	Data Collection	USN-7	I need to collect data (images of spirals and waves drawn by healthy people and Parkinson's patients).	5	High	Reemaa Reena Yuvasri Nithish
Sprint-1	Data Pre-Processing	USN-8	I need to clean my data and prepare it for model building by doing pre-processing activities such as resizing, converting from RGB to grayscale etc.	5	High	Reemaa Reena Yuvasri Nithish
Sprint-2	Model Building 1	USN-9	I need to build the model using Random Forest Classifier for spiral images.	8	High	Reemaa Reena Yuvasri Nithish
Sprint 2	Model Building 2	USN-10	I need to build the model using K Nearest Neighbour (KNN) for wave images.	8	High	Reemaa Reena Yuvasri Nithish
Sprint-3	Model Deployment	USN-11	I need to deploy the Machine Learning model that was built.	13	Medium	Reemaa Reena Yuvasri Nithish
Sprint-4	Application Building	USN-12	I need to build the website for the application using HTML, CSS and link it to the model.	8	High	Reemaa Reena Yuvasri Nithish

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

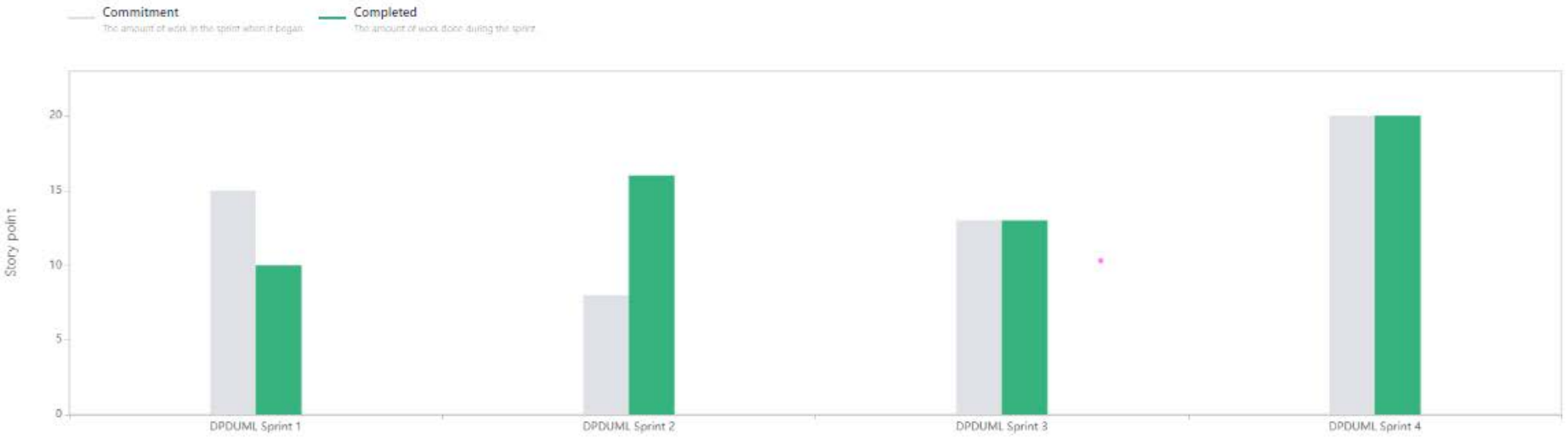
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	16	05 Nov 2022
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	13	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Projects / Detecting Parkinson's Disease using Machine Learning / Reports

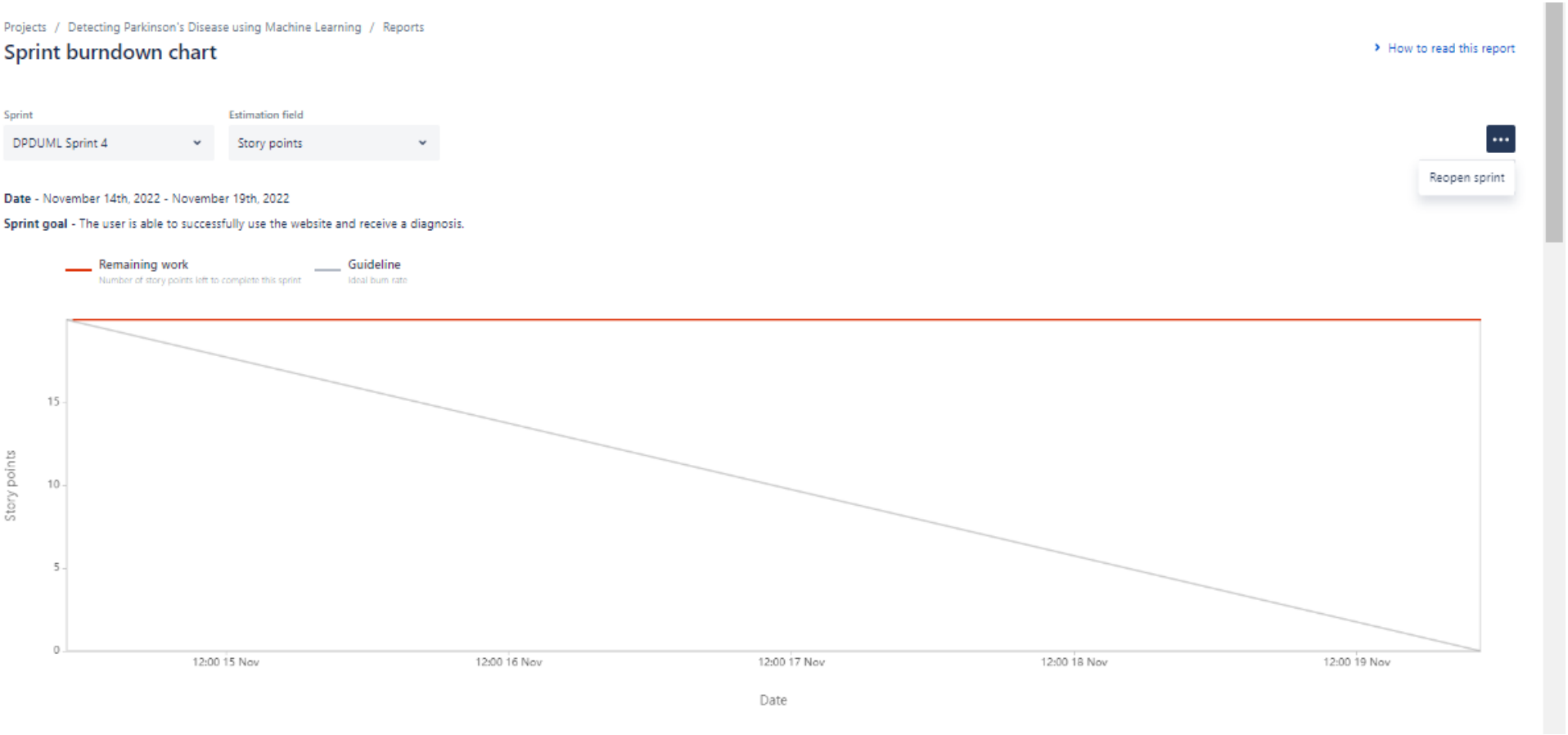
Velocity report

How to read this report



Sprint	Commitment	Completed
DPDUML Sprint 1	15	10
DPDUML Sprint 2	8	16
DPDUML Sprint 3	13	13
DPDUML Sprint 4	20	20

Burndown Chart:



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