PROJECT PLANNING PHASE

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

Team ID	PNT2022TMID27729
Project Name	Detecting Parkinson's Disease Using Machine Learning
Maximum Marks	8 Marks

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

Sprint	Total story points	Duration	Sprint date	Sprint end date (planned)	Story points completed (as on planned end date)	Sprint release date
Sprint 1	20	1 day	13-11-2022	14-11-2022	20	14-11-2022
Sprint 2	20	2 day	14-11-2022	16-11-2022	20	16-11-2022
Sprint 3	20	2 day	16-11-2022	18-11-2022	20	18-11-2022
Sprint 4	20	1 day	18-11-2022	19-11-2022	20	19-11-2022

Velocity:

In our project, we have a 1,2-days 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=SPRINT DURAION/VELCITY

Sprint 1 = 1/20 =0.05

Sprint 2 = 2/20 =0.1

Sprint 3 = 2/20 =0.1

Sprint 4 = 1/20 =0.05

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.

A burndown chart is almost a "must" have tool for a Scrum Team for the following main reasons:

- Monitoring the project scope creep
- Keeping the team running on schedule
- Comparing the planned work against the team progression

Burndown Chart
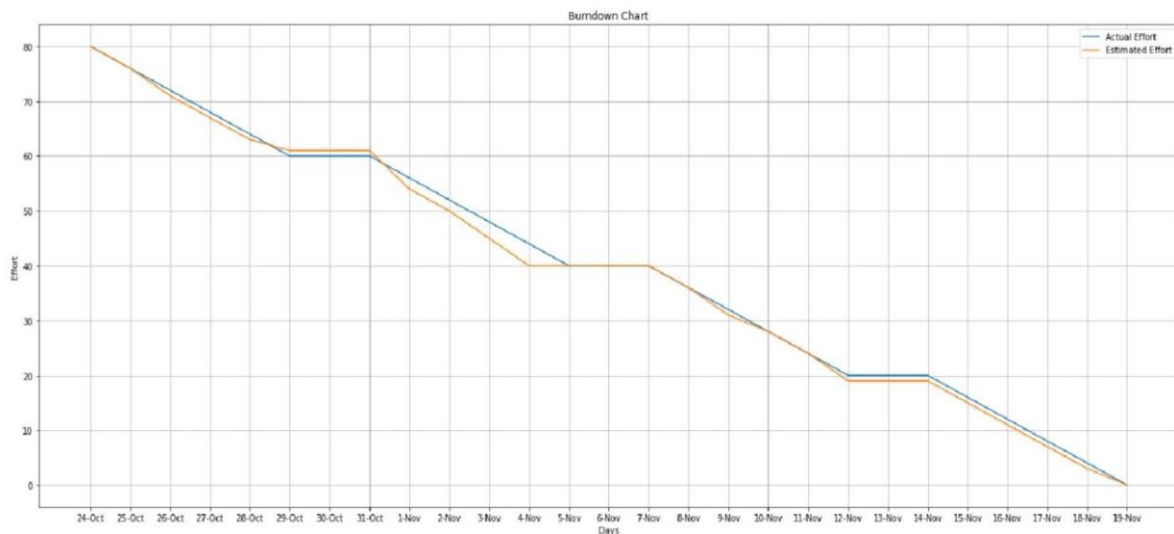
Product Backlog, Sprint Schedule, and Estimation (4 Marks):

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	Upload image	USN-1	As a user, I can upload the images in the website in order to obtain the prediction result of Parkinson's disease	2	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-1	Data collection	USN-2	As an Administrator, I need to collect data (images of spirals and waves drawn by healthy people and Parkinson's patients)	2	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-1	Data pre-processing	USN-3	As an Administrator, I should clean my data and prepare it for model building by doing pre-processing activities such as resizing, visualizing the dataset and converting from RGB to grayscale	2	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-2	Dash board	USN-4	Dashboard displays the symptoms, causes and medications for the Parkinson disease	2	Low	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-2	Model building	USN-5	As an Administrator, I need to build the model using Random Forest Classifier for spiral images and Convolutional Neural Networks (CNN) for wave images	3	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-3	Deployment of model	USN-6	As an Administrator, I need to deploy the Machine Learning model that was built	2	Medium	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-3	Building fronted of the application	USN-7	As an Administrator, I need to build the website for the application using HTML, CSS etc	2	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani

Sprint-4	Test vistal page	USN-8	As a user, I will get the prediction result and accuracy on the test vital page	3	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani
Sprint-4	Connecting the ML model frontend and backend	USN-9	As an Administrator, I can integrate the deployed model and web application using python flask server	3	High	1.Latha 2.Arun Balaji 3.Md. Yusuf 4.Poorani