Project Planning Phase

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

Date	06 November 2022
Team ID	PNT2022TMID05458
Project Name	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
Sprint1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint2		USN-3	As a user, I can register for the application through Facebook	3	Low	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint2		USN-4	As a user, I can register for the application through Gmail	3	Medium	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A

Sprint2	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint3	Dashboard	USN-6	As a user, I can upload my images and get my details.	3	High	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint1	Logout	USN-7	As a user I can logout successfully.	2	Medium	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint4	Feedback	USN-8	A customer care executive, I can able to interact with all the customer and get their feedback which is used to enhance the scope of the project.	2	Medium	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint3	Image processing localization	USN-9	The uploaded image is preprocessed and fed into trained model.	3	High	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A
Sprint4	Classification and prediction	USN-9	The model classifies and predicts the type of disease.	3	High	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A

Sprint4	Report generation	USN-10	Based on the prediction of Parkinson's disease, the health care is generated to provide the feedback.	2	Medium	Karthikeyan C Mathesh M Rajesh Kumar B Lokhu Prasanth A

Project Tracker, Velocity & Burnt down 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)
Sprint1	20	6 Days	20 Oct 2022	26 Oct 2022	20	26 Oct 2022
Sprint2	20	6 Days	27 Oct 2022	02 Nov 2022	20	31 O ct 2022
Sprint3	20	6 Days	02 Nov 2022	08 Nov 2022	20	06 Nov 2022
Sprint4	20	6 Days	08 Nov 2022	14 Nov 2022	20	08 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)

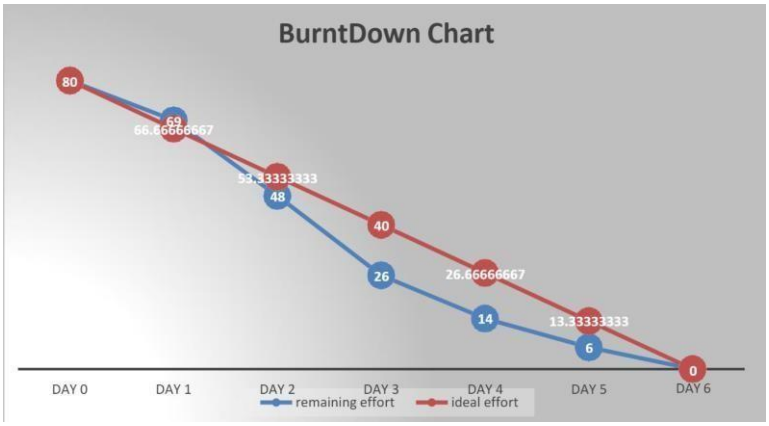
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Average velocity = Story points per day
Sprint Duration = No of (Duration) days per sprint
Velocity = Points per sprint

AV = 20 / 4 = 5

Burnt Down 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.



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