Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID32370
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	FUNTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	USER STOR / TASK	STORY POINTS	PRIORITY	TEAM MEMBERS
Sprint 1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 1		USN-2	As a user, I will receive confirmation email once I have registeredfor the application	2	Medium	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 2		USN-3	As a user, I can register for the application through mobile number	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 2		USN-4	As a user. I will receive confirmation SMS	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T

Sprint 2	Login	USN-5	As a user, I can log into the application byentering login credentials	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 3	Dashboard	USN-6	As a user, I can upload my images and getmy details of skin diseases	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 1	Logout	USN-7	As a user, I can logout successfully	2	Medium	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 4	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	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 3	Image processing localization	USN-9	The uploaded image is preprocessed and fed into the trained YOLO model	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 4	Classification and prediction	USN-9	YOLO model classify and predict the type of disease	3	High	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T
Sprint 4	Report generation	USN-10	Based on the prediction of Parkinson Disease, the health care report generated to provide feedback.	2	Medium	Yaminisri M Selciya G Vijayalakshimi V Sundareswari T

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 ReleaseDate (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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 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)

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

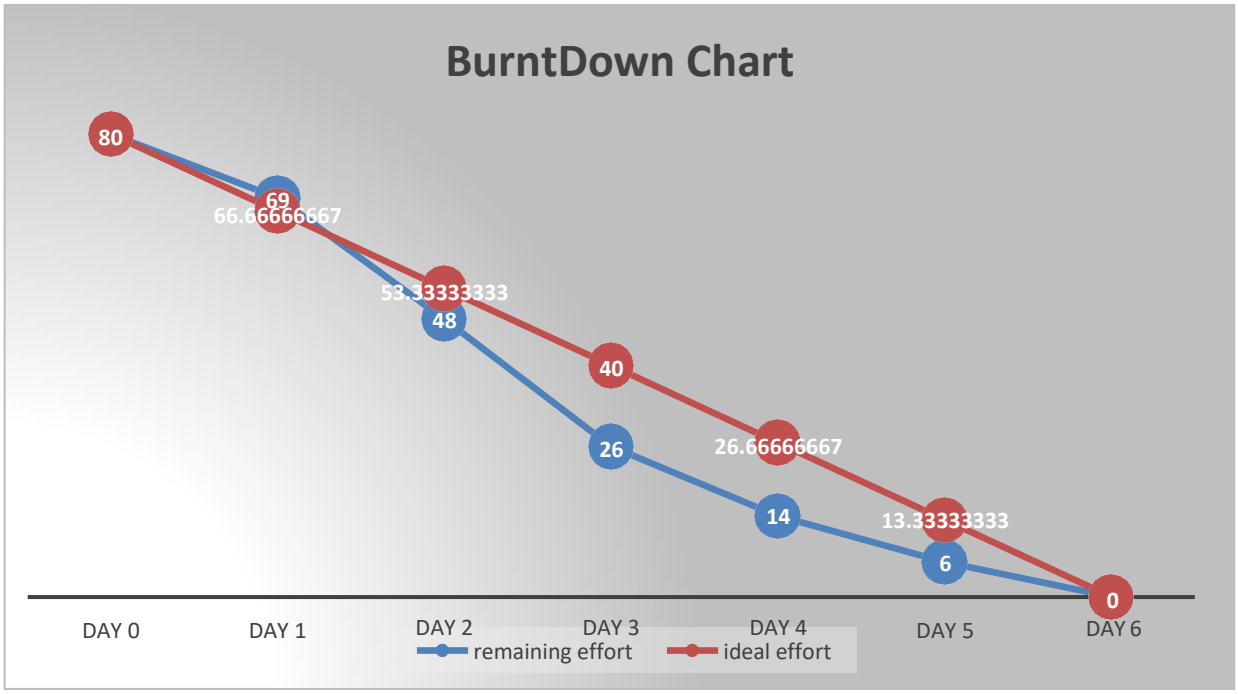
Average Velocity = Story Points per Day
Sprint Duration = Number of (Duration) days per Sprint
Velocity = Points per Sprint

AV = **20** /**6** ≈ 4

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

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.


BurntDown Chart
80
69
66.66666667
53.33333333
48
40
26
26.66666667
14
13.33333333
6
0
DAY 0
DAY 1
DAY 2
DAY 3
DAY 4
DAY 5
DAY 6
remaining effort
ideal effort