Project Planning Phase

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

Date	18 November 2022
Team ID	PNT2022TMID10908
Project Name	Nutrition Assistant Application
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / 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.	2	High	Praveenkumar P Nareshshankar A Ragul S Surya K M
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Praveenkumar P Nareshshankar A Ragul S Surya K M
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	1	High	Praveenkumar P Nareshshankar A Ragul S Surya K M
Sprint-2	User Details	USN-4	As a user, I can enter my details.	2	HIgh	Praveenkumar P Nareshshankar A Ragul S Surya K M

Sprint-3	Scanning And Searching Food	USN-5	As a user, I can search the food items.	2	Medium	Praveenkumar P Nareshshankar A Ragul S Surya K M
Sprint-4	Show Nutritional Details	UNS-6	As a user, I can scan the food and get the nutritional details.	1	High	Praveenkumar P Nareshshankar A Ragul S Surya K M

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	20	6 Days	23 Oct 2022	28 Oct 2022	20	28 Oct 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	05 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	18 Nov 2022	20	18 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

$$AV = \frac{20}{6} \approx 4$$

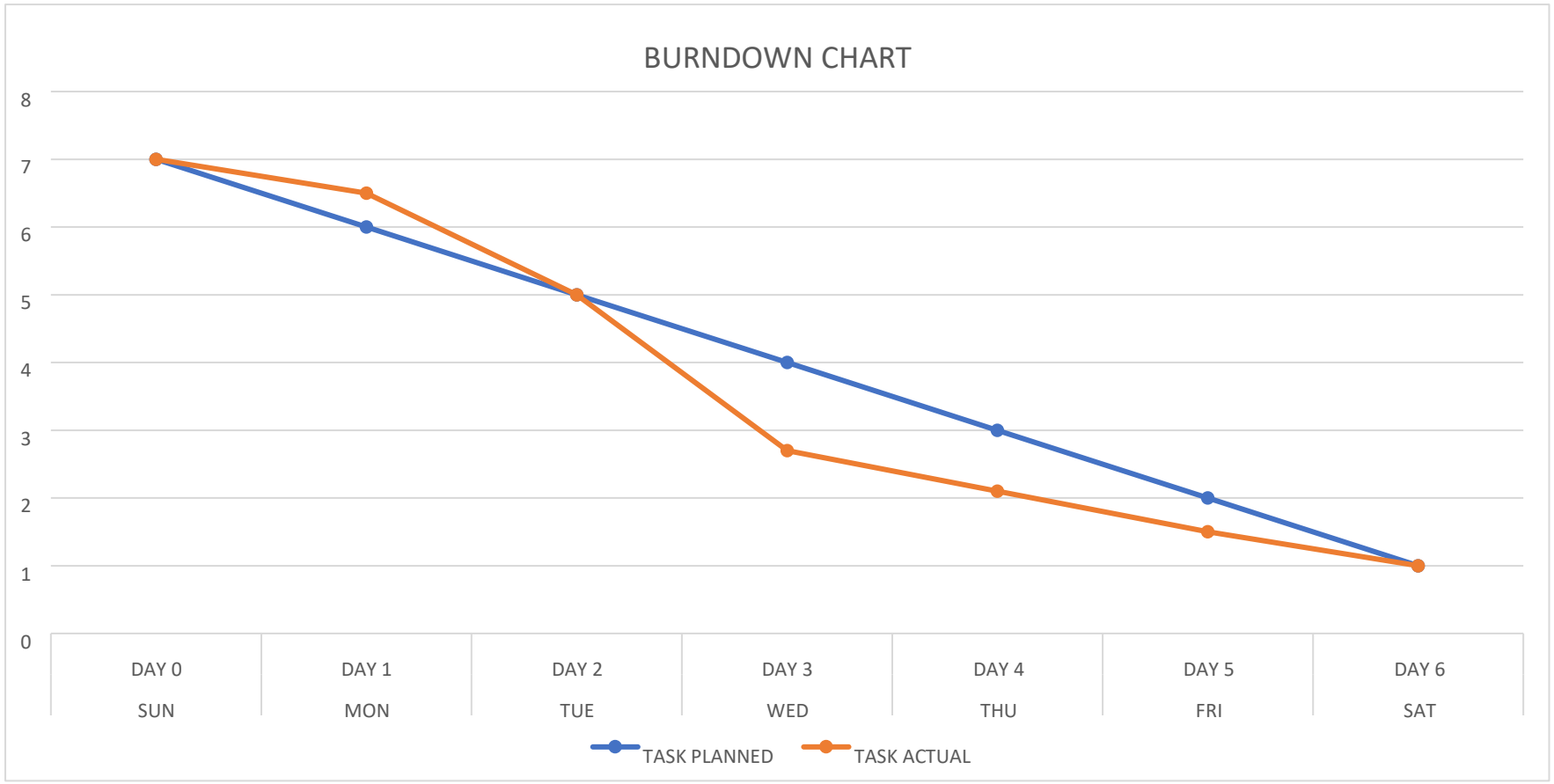
Therefore, the **AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

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.

	Initial Estimate	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct
Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0

Sprint-4	20	3	3	3	3	3	5
Task planned	7	6	5	4	3	2	1
Task Actual	7	6.5	5	2.7	2.1	1.5	1


BURNDOWN CHART
8
7
6
5
4
3
2
1
0
DAY 0
SUN
DAY 1
MON
DAY 2
TUE
DAY 3
WED
DAY 4
THU
DAY 5
FRI
DAY 6
SAT
TASK PLANNED
TASK ACTUAL