Project Planning Phase

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

Date	6 NOVEMBER 2022
Team ID	PNT2022TMID02938
Project Name	Nutrition Assistant Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

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	Manivannan M Pavithra M Mega M Karthick G
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Manivannan M Pavithra M Mega M Karthick G
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	1	High	Manivannan M Pavithra M Mega M Karthick G
Sprint-2	User Details	USN-4	As a user, I can enter my details.	2	High	Manivannan M Pavithra M Mega M Karthick G
Sprint-3	Scanning And Searching Food	USN-5	As a user, I can search the food items.	2	Medium	Manivannan M Pavithra M Mega M Karthick G
Sprint-4	Show Nutritional Details	UNS-6	As a user, I can scan the food and get the nutritional details.	1	High	Manivannan M Pavithra M Mega M Karthick G

Project Tracker, Velocity & Burndown Chart:

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

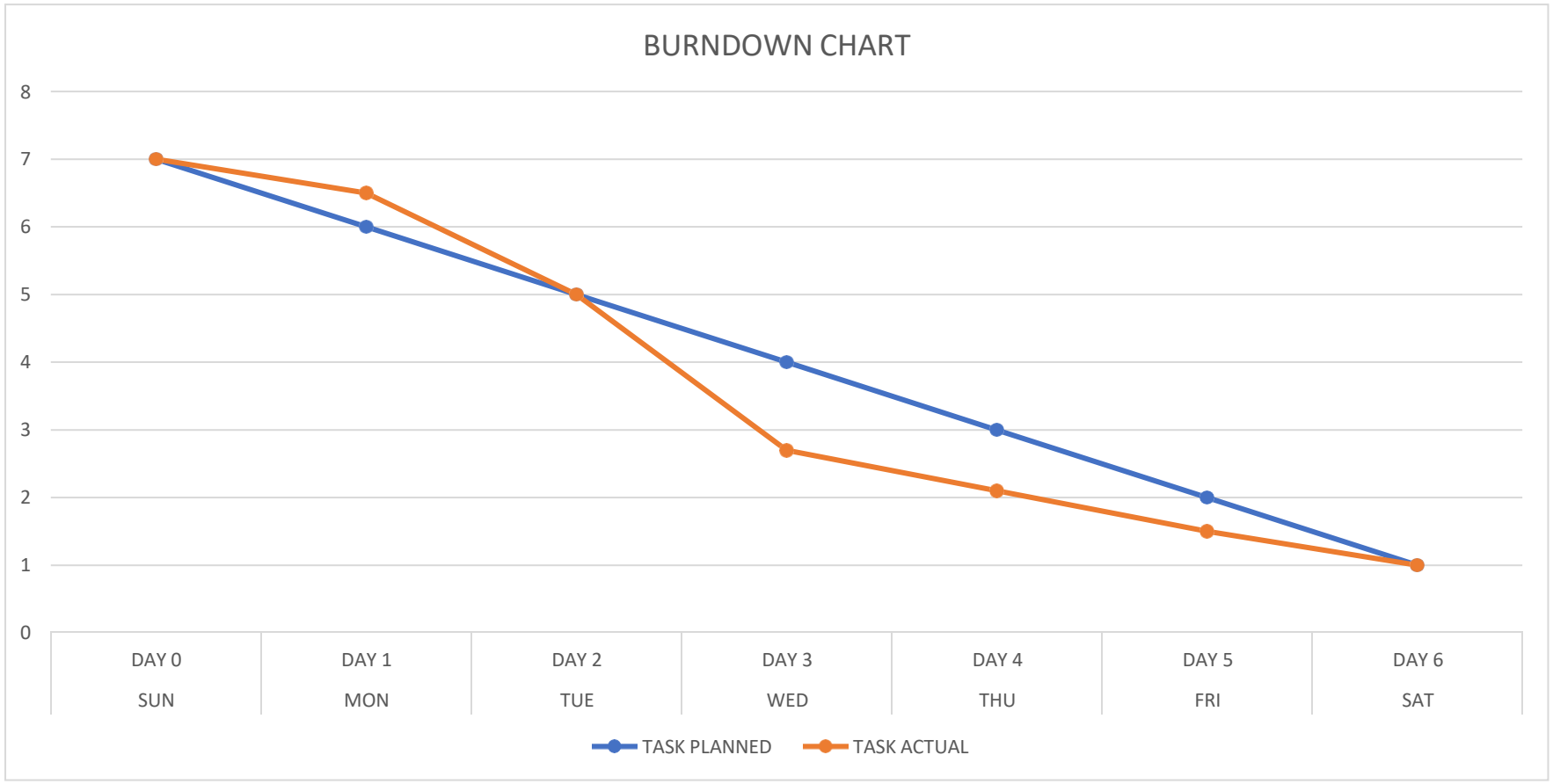
SprintVelocity = Points per Sprint

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

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

Burndown Chart:

	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