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

Date	23 October 2022
Team ID	PNT2022TMID48373
Project Name	AI-Powered Nutrition Analyzer for fitness enthusiasts
Maximum Marks	8 Marks

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

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user can register for the application by entering their name, email, password, and confirmed password.	3	High	Gowshigan.E.R
Sprint-1		USN-2	As a user will receive a confirmation email once they have registered in the application	1	low	Abbas Noor Mohamed.S
Sprint-1	Login	USN-3	As a user can log into the application by entering an email & password	2	Medium	Gowshigan.E.R
Sprint-2	Dashboard	USN-4	As a user can use a dashboard for getting their personalized nutrition plan.and some nutritional education.	2	High	GanapathyRam.S.K
Sprint-2		USN-5	As a user can use a dashboard for getting their workout plans based on their levels as mentioned.	3	Medium	Francis Huban.K
Sprint-2		USN-6	As a user, can use the dashboard to clarify the diet myths and get a healthy meal plans.	3	Low	Abbas Noor Mohamed.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Health insights	USN-7	As a user can monitor their daily plan and check their activity status	2	High	GanapathyRam.S.K
Sprint-2		USN-8	As a user can compare their activity based on previous day and they are able to set a reminder for daily activities.	3	Medium	Francis Huban.K
Sprint-3	Chat bot	USN-9	As a user can use a chat bot to get nutritional counseling.	2	Low	GanapathyRam.S.K
Sprint-3	Membership plan	USN-10	As a user can perform workout and additional diet plans by purchasing the membership plans.	3	Medium	Gowshigan.E.R
Sprint-3	Model building using flask	USN-11	Flask provides tools, libraries and technologies that allow to build a web application.	5	High	Francis Huban.K
Sprint-4	Generation of diet plan and workout details	USN-12	As a user can get the correct diet plan chart and workout details.	3	High	GanapathyRam.S.K
Sprint-4	Deployment in cloud	USN-12	To ensure that the system successfully reached to the users.	8	Medium	Abbas Noor Mohamed.S

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

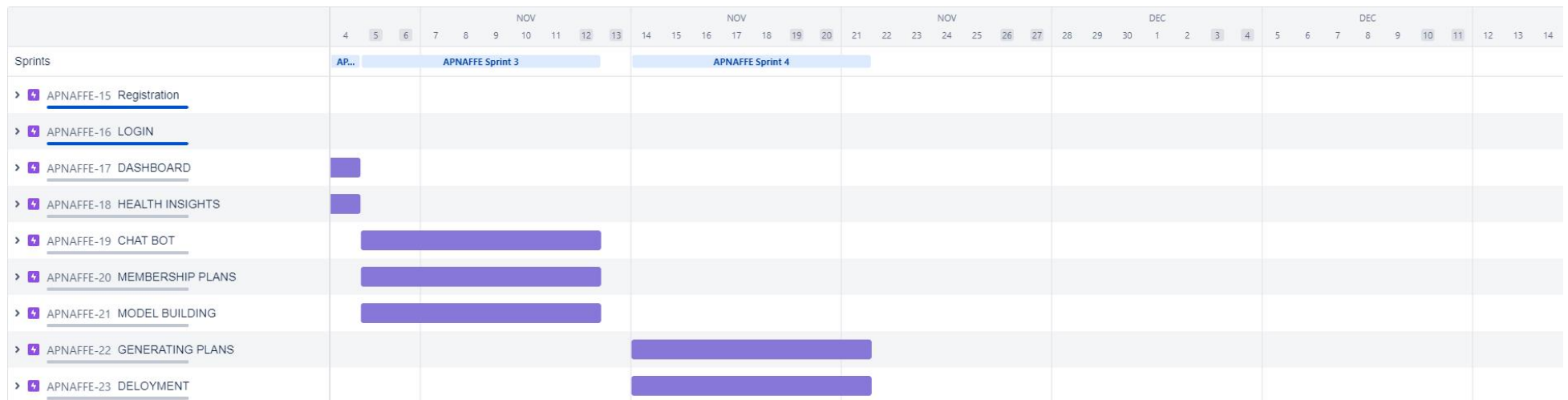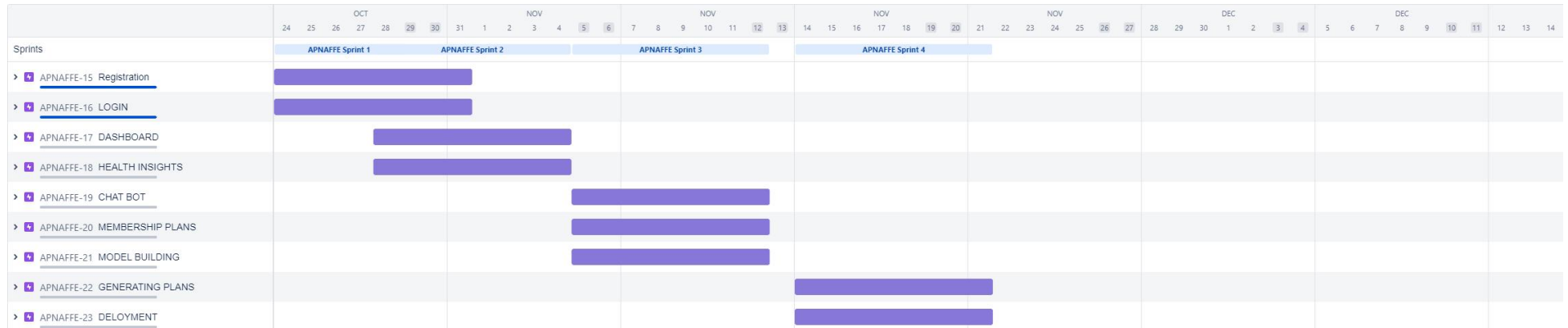| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	13	6 Days	31 Oct 2022	05 Nov 2022	13	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	11	6 Days	14 Nov 2022	19 Nov 2022	11	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)
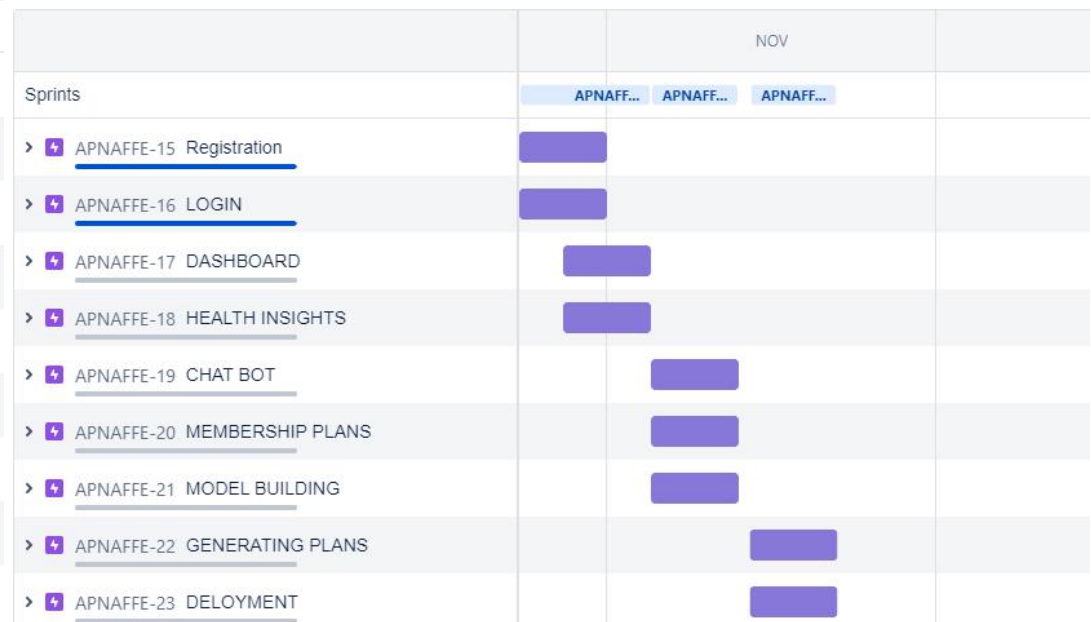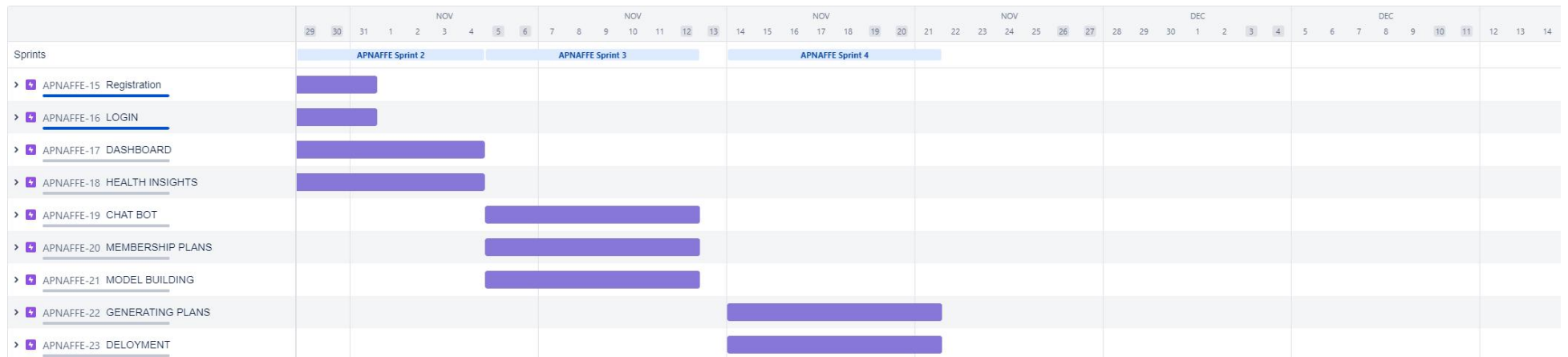
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
SPRINT-1	6	6 Days	1
SPRINT-2	13	6 Days	2.16
SPRINT-3	10	6 Days	1.66
SPRINT-4	11	6 Days	1.83
TOTAL	42	24	1.75

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.

	NOV						NOV						NOV						NOV					DEC						DEC			
	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Sprints — APNAFFE Sprint 2 — APNAFFE Sprint 3 — APNAFFE Sprint 4

- APNAFFE-15 Registration
- APNAFFE-16 LOGIN
- APNAFFE-17 DASHBOARD
- APNAFFE-18 HEALTH INSIGHTS
- APNAFFE-19 CHAT BOT
- APNAFFE-20 MEMBERSHIP PLANS
- APNAFFE-21 MODEL BUILDING
- APNAFFE-22 GENERATING PLANS
- APNAFFE-23 DELOYMENT

Sprints	OCT – DEC
> APNAFFE-15 Registration	
> APNAFFE-16 LOGIN	
> APNAFFE-17 DASHBOARD	
> APNAFFE-18 HEALTH INSIGHTS	
> APNAFFE-19 CHAT BOT	
> APNAFFE-20 MEMBERSHIP PLANS	
> APNAFFE-21 MODEL BUILDING	
> APNAFFE-22 GENERATING PLANS	
> APNAFFE-23 DELOYMENT	

Sprints	NOV		
	APNAFF...	APNAFF...	APNAFF...
> APNAFFE-15 Registration			
> APNAFFE-16 LOGIN			
> APNAFFE-17 DASHBOARD			
> APNAFFE-18 HEALTH INSIGHTS			
> APNAFFE-19 CHAT BOT			
> APNAFFE-20 MEMBERSHIP PLANS			
> APNAFFE-21 MODEL BUILDING			
> APNAFFE-22 GENERATING PLANS			
> APNAFFE-23 DELOYMENT			