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

Date	31 October 2022
Team ID	PNT2022TMID46351
Project Name	Project – Nutrition Assistant Application
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
Sprint-1	Registration	USN-1	New user enters into the System He/ She can register into the Application by entering mail Id and Password.	8	High	Team Lead
Sprint-1		USN-2	The user will receive conformation Email	5	High	Team Member -1
Sprint-1	Login	USN-3	After Successful registration the user can Log into the application by entering the registered Mail Id and Password	8	Low	Team Member- 2
Sprint-2	Dashboard	USN-4	User can get into the Dashboard only when the Verification Successful. After the user can access the displayed information in the Dashboard.	8	Medium	Team Member-3
Sprint-2	Calorie prediction	USN-5	As a user, I can upload photos to predict the calorie values.	10	High	Team Lead, Team Member-1
Sprint-3	Diet chart	USN-6	As a user, I can view the diet chart generated by the tool.	7	High	Team Member- 3

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Quality Assurance	USN-8	As a user they have some credibility issues while using application.	8	High	Team Member- 2
Sprint-3	Train Model	USN-9	As an administrator, I must use the most suitable ML model for prediction of calories.	9	High	Team lead, Team Memebr-1
Sprint-3	Health Details	USN-10	As a user I have to enter my health details to get the proper diet chart.	7	High	Team Member-3
Sprint-3	Food Recommendations	USN-11	As a user I can get the food recommendations as per my health conditions.	9	High	Team Member- 2

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	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

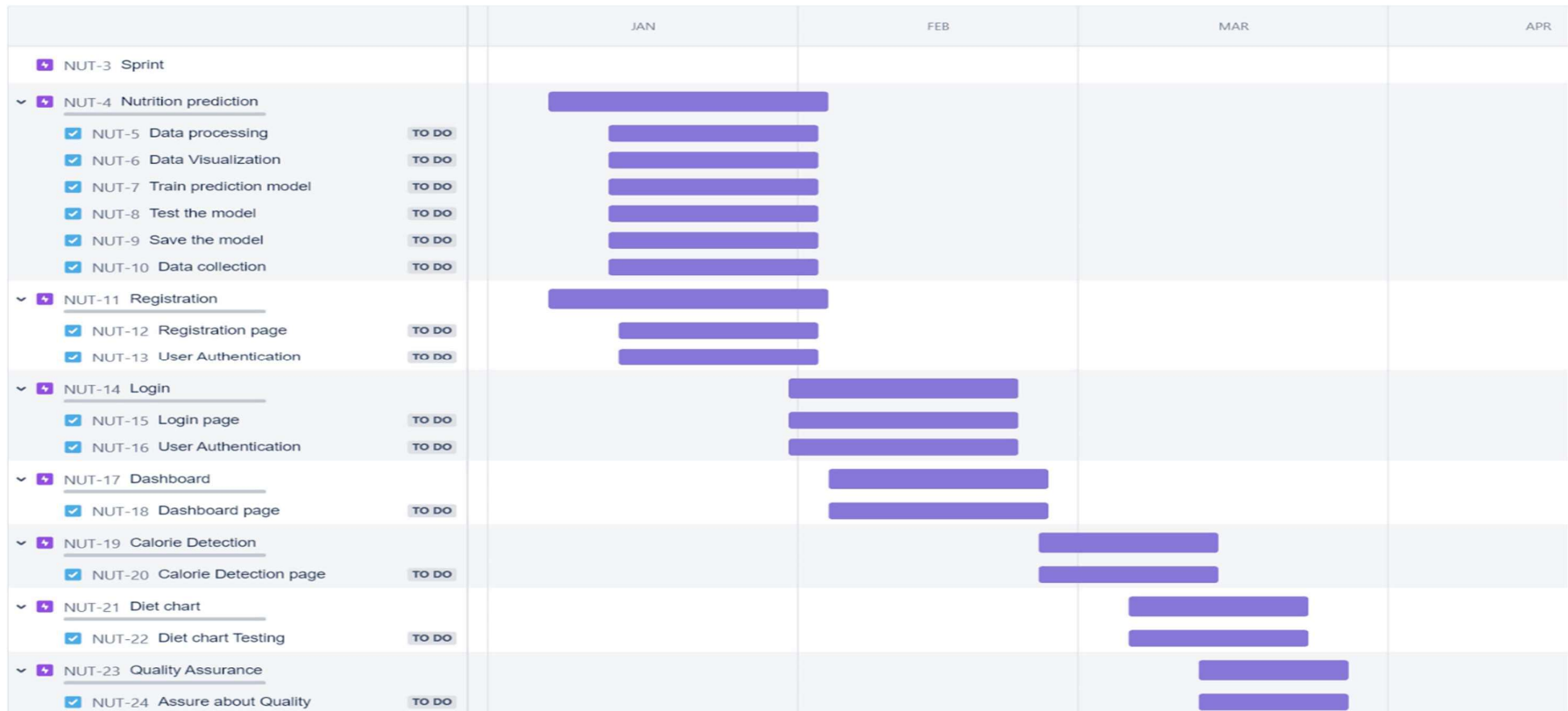## Velocity:

Imagine we have a 6-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)

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}}$$

Sprint	Average Velocity
Sprint-1	6.6
Sprint-2	8
Sprint-3	7.5
Sprint-4	8

Total Average Velocity=7.5

ROADMAP: The tool that used for roadmap is **JIRA.** JIRA is a commercial tool used in Bugs, Issues and Change Request Tracking.

	JAN	FEB	MAR	APR
NUT-3 Sprint				
NUT-4 Nutrition prediction	███			
☑ NUT-5 Data processing — TO DO	██			
☑ NUT-6 Data Visualization — TO DO	██			
☑ NUT-7 Train prediction model — TO DO	██			
☑ NUT-8 Test the model — TO DO	██			
☑ NUT-9 Save the model — TO DO	██			
☑ NUT-10 Data collection — TO DO	██			
NUT-11 Registration	███			
☑ NUT-12 Registration page — TO DO	██			
☑ NUT-13 User Authentication — TO DO	██			
NUT-14 Login		███		
☑ NUT-15 Login page — TO DO		███		
☑ NUT-16 User Authentication — TO DO		███		
NUT-17 Dashboard		██		
☑ NUT-18 Dashboard page — TO DO		██		
NUT-19 Calorie Detection			██	
☑ NUT-20 Calorie Detection page — TO DO			██	
NUT-21 Diet chart			██	
☑ NUT-22 Diet chart Testing — TO DO			██	
NUT-23 Quality Assurance			██	
☑ NUT-24 Assure about Quality — TO DO			██	

BURNDOWN CHART:

Burndown Chart