

Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID38600
Project Name	AI - Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-1	Data Collection	USN-1	Collecting Data of Vegetables,Fruit and food for providing to the model for training and testing	5	High	Sandhiya K, Lavanaya gowri M
	Image Preprocessing	USN-1	Image Processing is done for Providing accurate data to the model	5	High	Sandhiya K, Lavanaya gowri M
	Model Creation and Training (Food Items)	USN-2	Create a model which can classify food items from given images and train on IBM Cloud	5	High	Sandhiya K, Lavanaya gowri M, Sathiya priya S, Sandhya K.
	Model Testing(Food Items)	USN-3	.Need to test the model and deploy it on IBM Cloud	5	High	Sandhiya K, Lavanaya gowri M, Sathiya priya S, Sandhya K.
Sprint-2	Registration Page	USN-4	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	4	Medium	Sandhiya K, Lavanaya gowri M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
	Upload page	USN-5	As a user, I will be redirected to a page where I can upload my pictures of Food Items	4	High	Sandhiya K, Lavanaya gowri M, Sandhya K.
	Prediction results	USN-6	As a user, I can view the results and then obtain the predictions provided by the CNN Network	4	High	Sandhiya K, Sathiya priya S, Sandhya K.
	Base Flask App	USN-7	A base Flask web app must be created as an interface for the CNN Network	2	Low	Sandhiya K, Lavanaya gowri M
Sprint-3	Login	USN-8	As a user/admin, I can log into the application by entering email & password	2	Low	Lavanaya gowri M, Sathiya priya S, Sandhya K.
	User Dashboard	USN-9	As a user, I can view my personal data, Food consumption details, sleep cycle monitoring, Water consumption Monitoring	4	Medium	Sandhiya, Sandhya K.
	Integration	USN-10	Integrate Flask, CNN model with Cloudant DB	5	High	Sandhiya K, Lavanaya gowri M,, Sandhya K.
	Containerization	USN-11	Containerize Flask app using Docker	2	Low	Sandhiya K, Lavanaya gowri M, Sathiya priya S, Sandhya K.
Sprint-4	Dashboard (Admin)	USN-12	As an admin, I can view other user details and uploads for other purposes	4	Medium	Sandhiya K, Lavanaya gowri M
	Containerization	USN-13	Create and deploy Helm charts using Docker Image made before	2	Low	Sandhiya K, Lavanaya gowri M, Sathiya priya 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	16	06 Nov 2022
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	13	13 Nov 2022
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022	6	20 Nov 2022

NOTE: Burndown charts, Velocity to be updated dynamically after end of sprints

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)

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

SPRINT 1

$$AV = 20 / 6 = 3.3$$

SPRINT 2

$$AV = 16 / 6 = 2.6$$

SPRINT 3

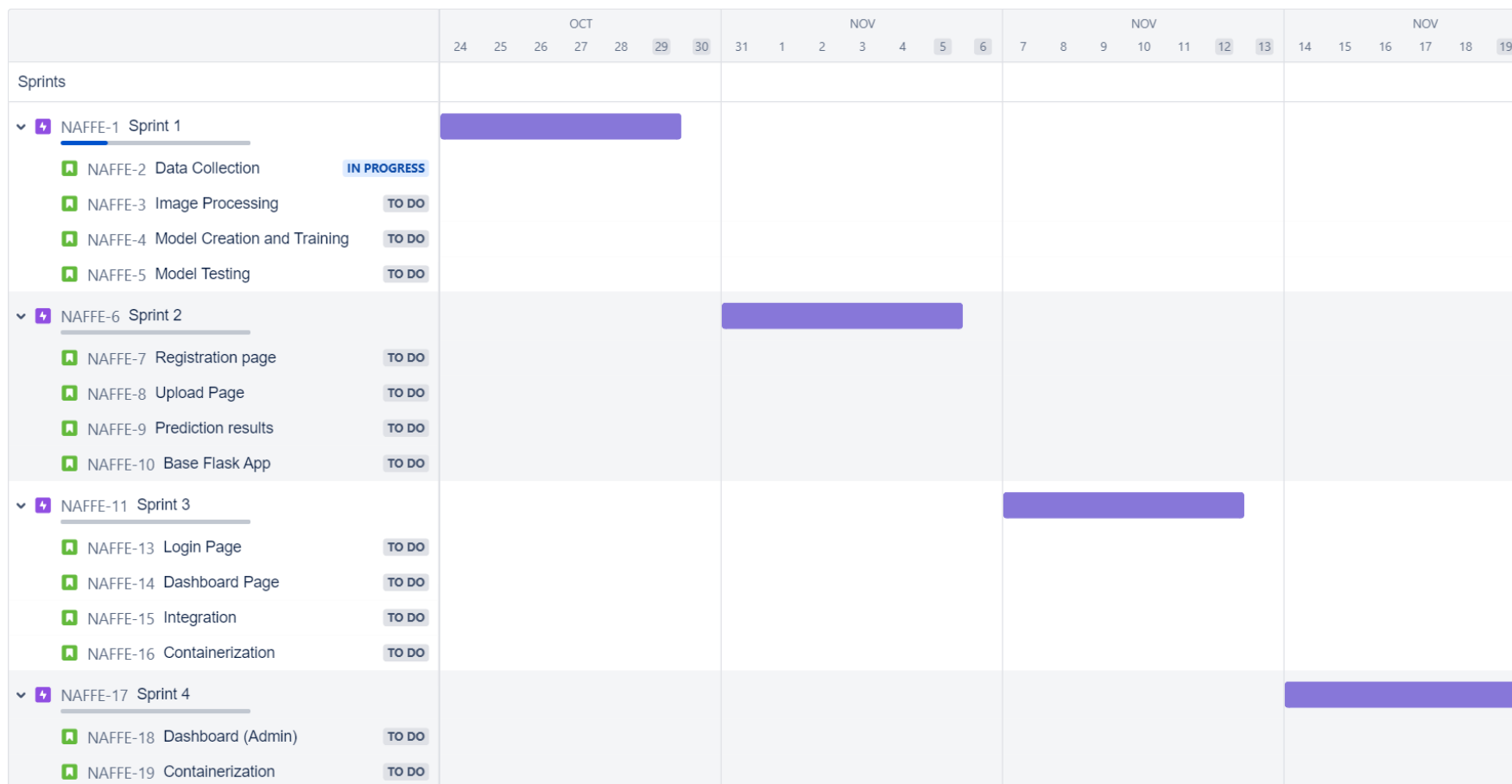
$$AV = 13 / 6 = 2.1$$

SPRINT 4

$$AV = 6 / 6 = 1$$

TOTAL AVERAGE VELOCITY = 2.25

Roadmap:



Screenshots:

Jira Software

Your work ▾

Projects ▾

Filters ▾

Dashboards ▾


People ▾

Apps ▾


Create


Q Search


9+ ? ⚙️ 🌐

 Nutrition Analyzer for ...
Software project


PLANNING


 Roadmap


 Backlog


 Board

DEVELOPMENT

 Code

 Project pages

 Add shortcut

 Project settings

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NAFFE board


Q

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GROUP BY None ▾

TO DO



You haven't started a sprint

You can't do anything on your board because you haven't started a sprint yet. Go to the backlog to plan and start a sprint.

Go to Backlog

IN PROGRESS

DONE ✓

+

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Backlog



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Insights

Backlog (14 issues)

0 0 0 Create sprint

NAFFE-2 Data Collection	SPRINT 1	IN PROGRESS	
NAFFE-3 Image Processing	SPRINT 1	TO DO	
NAFFE-4 Model Creation and Training	SPRINT 1	TO DO	
NAFFE-5 Model Testing	SPRINT 1	TO DO	
NAFFE-7 Registration page	SPRINT 2	TO DO	
NAFFE-8 Upload Page	SPRINT 2	TO DO	
NAFFE-9 Prediction results	SPRINT 2	TO DO	
NAFFE-10 Base Flask App	SPRINT 2	TO DO	
NAFFE-13 Login Page	SPRINT 3	TO DO	
NAFFE-14 Dashboard Page	SPRINT 3	TO DO	
NAFFE-15 Integration	SPRINT 3	TO DO	

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.

