

Brainstorming Ideas and Voting

Date	18 September 2022
Team ID	Team-591797
Project Name	Vitamin Detection Using Deep Learning
Maximum Marks	4 Marks
Team Size	4
Team Members	Kasibhatla Srichandana Pothala Jaya Sri Sindhu Karthikeya J Bhanu Bhargavi Mamidikuduru

Brainstorming is a creative process where a group generates potential solutions for a specific problem. Voting involves prioritizing the best ideas to pursue further.

When developing Brainstorming ideas for this project, we considered the technical challenges, data requirements, user experience, and the potential impact on users' health and well-being. Each of these ideas has the potential to improve vitamin intake, but the feasibility and impact may vary depending on the specific implementation.

1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

 5 minutes

PROBLEM

How might we ensure
the vitamin intake in
people's diet?



Key rules of brainstorming

To run an smooth and productive session



Stay in topic.



Encourage wild ideas.



Defer judgment.



Listen to others.



Go for volume.



If possible, be visual.

2

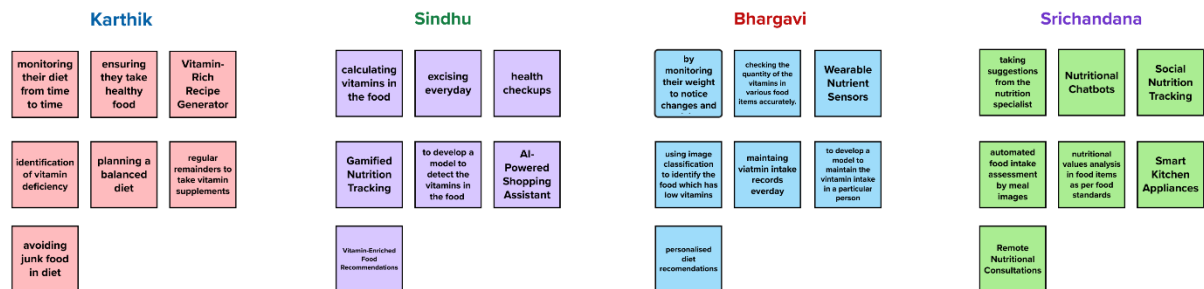
Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

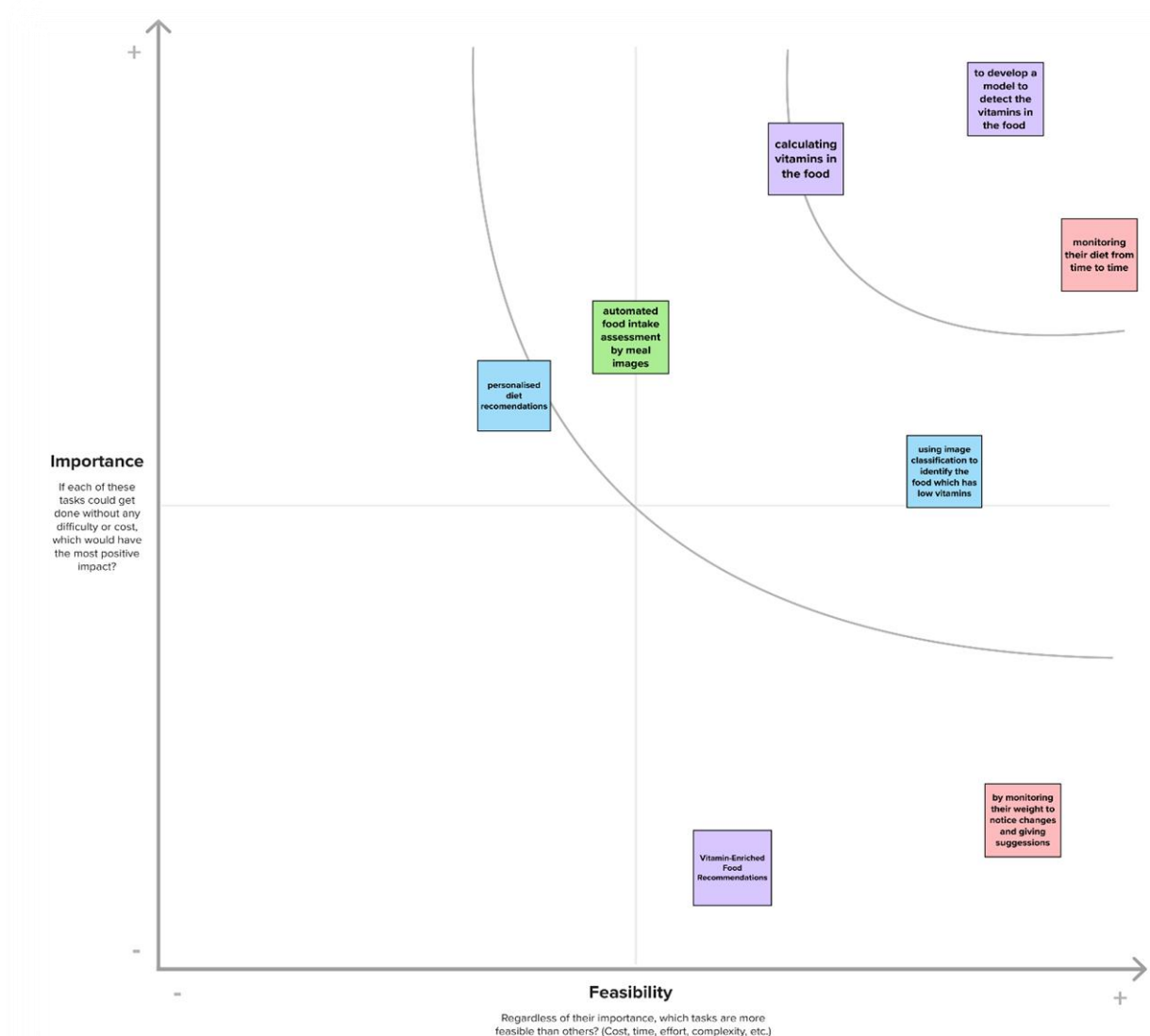
TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!



Idea prioritization

Idea prioritization involves evaluating and organizing ideas based on criteria such as feasibility, impact, cost, and strategic importance. This helps determine which ideas should take priority and be implemented or pursued first.



Here's a description emphasizing the importance of developing a model to detect vitamins in food within the context of our initiative.

Incorporating advanced technology to develop a model capable of accurately detecting and quantifying vitamins in food represents a pivotal advancement in our journey toward a healthier and more sustainable future. This not only addresses a crucial aspect of individual health and well-being but also positions us at the forefront of innovative solutions for nutrition management.

In today's fast-paced world, where dietary choices can be overwhelming, the ability to effortlessly assess the nutritional value of one's meals is highly useful. It helps individuals to make proper dietary decisions and control their vitamin intake, by this individuals can improve their overall well-being.

Moreover, this innovation aligns perfectly with our core environmental goals. By enabling users to make better food choices that are both nutritionally rich and ecologically responsible, we contribute to the reduction of food waste and the promotion of sustainable agriculture practices.

In this model we use image processing and deep learning to identify the types of food in images and then estimate their vitamin content which is fundamental component of our idea. With existing technology in computer vision and machine learning, we can build models to recognize food items and estimate their vitamin content.

Automated food intake assessment by food images is built on the above idea. It helps users track their daily vitamin intake by simply taking pictures of their meals. This model can then analyze the images to provide nutritional information. Calculating vitamins in food also goes hand in hand with it.

In conclusion, our decision to prioritize the development of a model for vitamin detection in food is not only strategically sound but also a reflection of our unwavering commitment to promoting healthier and more sustainable living.

We firmly believe that this initiative will play a pivotal role in shaping a future where individuals have the tools and knowledge to make nutritional choices that benefit both their well-being and the environme