1

Define your problem statement

Food is essential for human life and has been the concern of many healthcare conventions. Nutritional analysis is the process of determining the nutritional content of food. It is a vital part of analytical chemistry that provides information about the chemical composition, processing,quality control and contamination of food. The main aim of the project is to building a model which is used for classifying the fruit depends on the different characteristics like colour, shape, texture etc by using Convolutional Neural Network (CNN). The user interacts with the UI (User Interface) and give the image as input. Then the input image is passed to our flask application. In the flask application, the input parameters are taken from the HTML page. These factors are then given to the model to predict the type of food and to know the nutrition content in it. In order to know the nutrition content we will be using an API in this project. Here the user can capture the images of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.). And finally with the help of the model which we build, we will classify the result and showcase it on the UI.

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- 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!

Neona Josita W

- Increasing awareness
- User friendly application
- Classifies fruits based on different characteristics
- Accessing the right level of nutrition

Akshaya R

- Time saving
- Easy and fast analysis
- Can be used by anyone
- Change in lifestyle

Helen Roshna A

- No need for experts
- Accurate results
- Analyses the image and detects the nutrition
- Explores nutrition patterns

Girija

- Automated workflow
- Testing the app
- Results in maintaining a healthy diet
- Accurate data analysis

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

Features

- User friendly application
- Automated workflow
- Accessing the right level of nutrition
- Accurate data analysis

Application

- Classifies fruits based on different characteristics
- Easy and fast analysis
- Can be used by anyone
- Explores nutrition pattern

Results

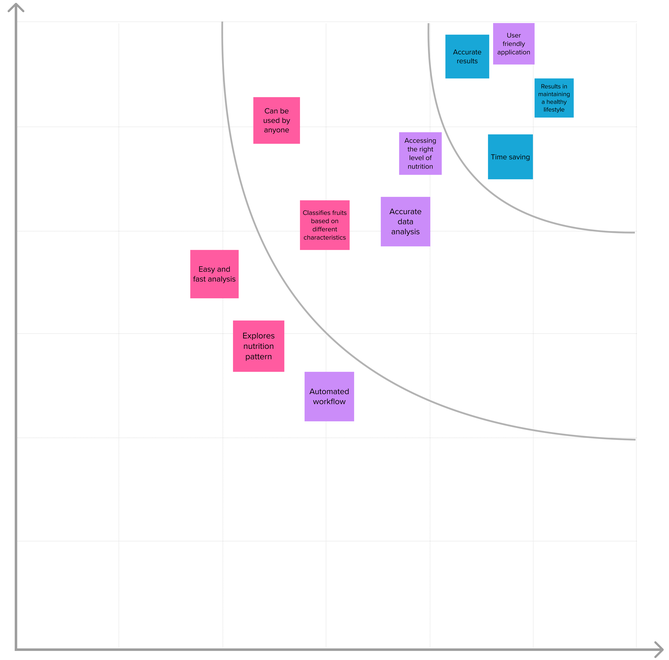
- Accurate results
- Results in maintaining a healthy diet
- Time saving
- Change in lifestyle

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)