Ideation Phase
Brainstorm & Idea Prioritization Template

Date	23 October 2023
Team ID	592655
Project Name	Disease Prediction Using Machine Learning
Maximum Marks	10 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: https://www.mural.co/templates/empathy-map-canvas

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template

Brainstorm & idea prioritization

Disease Prediction Using Machine Learning

This online program allows you to utilize the model to determine the most likely cause of any symptoms you may be experiencing, even if you don't think you have one.

- **10 minutes** to prepare
- **1 hour** to collaborate
- **2-8 people** recommended

Need some inspiration?

See a finished version of this template to kickstart your work.

Open example →

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

A **Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

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

Create a disease prediction model in machine learning, addressing data challenges for accurate and reliable healthcare applications.

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.

Step-2: Brainstorm, Idea Listing and Grouping

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!

Tarun Sreenivas

- Ensure that your dataset is clean, consistent, and free from missing values to prevent data-related issues that could affect the model's accuracy.
- Establish a system to monitor and update your model over time to adapt to changing
- Develop an intuitive and user-friendly interface for healthcare professionals and end-users to interact with the disease prediction system easily.

Anish Narla

- Develop an User friendly interface
- Consider techniques for handling missing data, outlier detection, and data normalization.
- Make sure your dataset is error-free, consistent, and free of missing values to avoid problems with the data that could compromise the accuracy of the model.

Perisetla Sri Sai Yagnik

- Gather feedback from users to enhance the model's real-world applicability.
- Define a strategy for model updates and retraining based on changing disease patterns and the degradation of model performance over time
- Choose and utilize appropriate evaluation metrics that align with the nature of the disease and your project goals.

Attada Karthikeya

- Regularly update and retrain the model using the latest data and collaborate with experts to adapt to changing disease patterns.
- Invest time in feature selection and engineering to improve the model's predictive accuracy.
- Get user feedback so that the model can be more practically improved

Step-2: Brainstorm, Idea Listing and Grouping (Contd.)

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

TIP

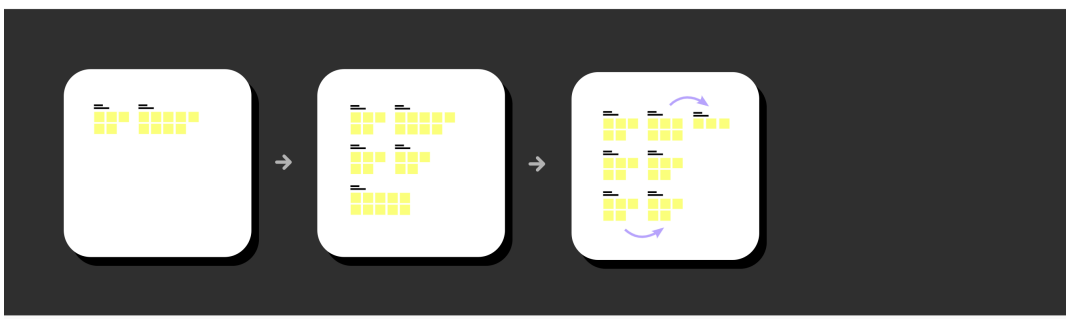
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Develop an User friendly interface

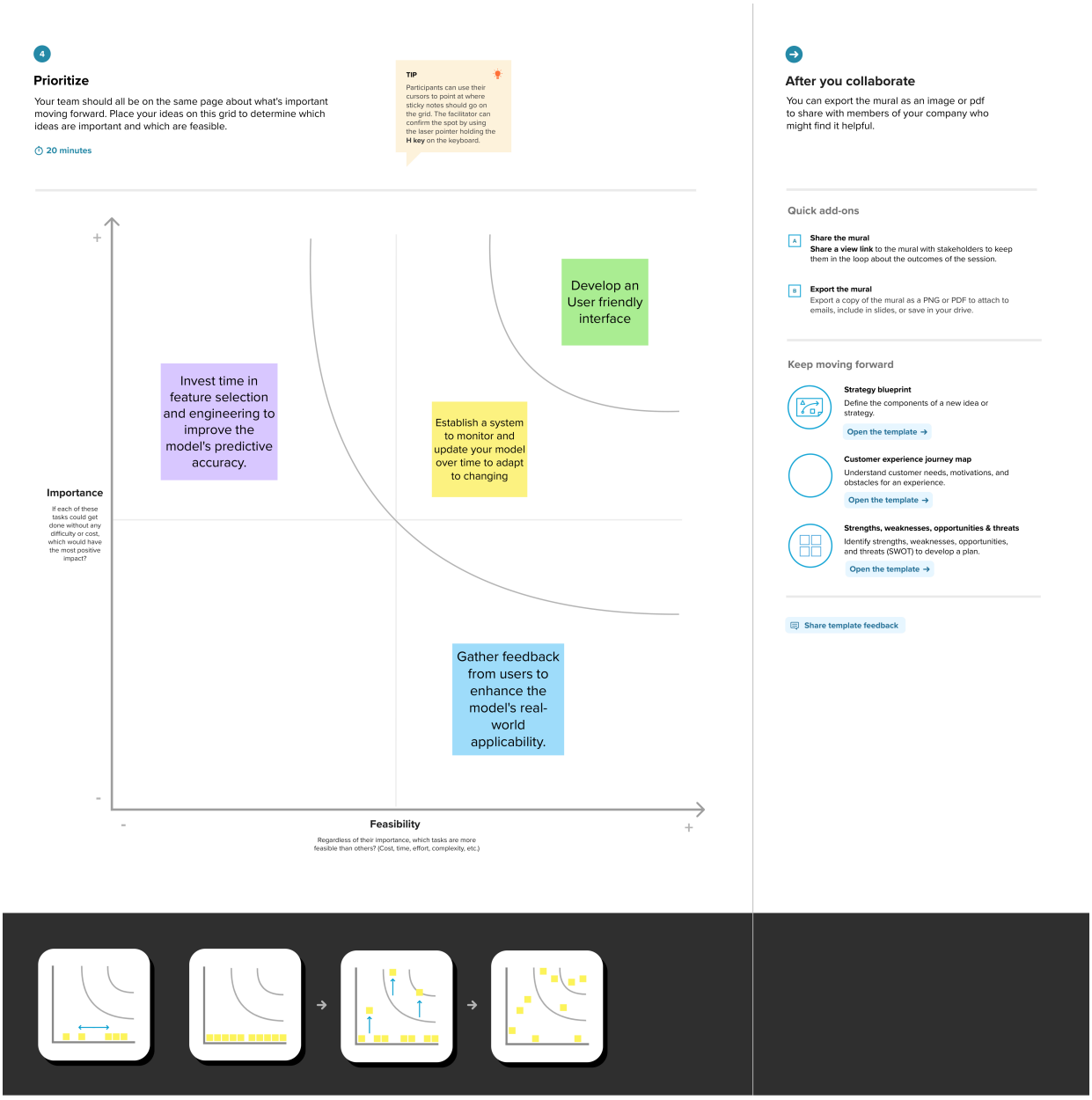
Establish a system to monitor and update your model over time to adapt to changing

Gather feedback from users to enhance the model's real-world applicability.

Invest time in feature selection and engineering to improve the model's predictive accuracy.



Step-3: Idea Prioritization



MURAL LINK:

https://app.mural.co/t/aimlproject0788/m/aimlproject0788/1698075698297/89fdcd74304c0f576f5452a30e3ccdbd9601d669?sender=ub3d9b06ceba42c99cf2a3434