

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	593030
Project Name	Diabetes Prediction Using Machine Learning
Maximum Marks	4 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>

# Brainstorm & idea prioritization

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.

🕒 10 minutes to prepare

🕒 1 hour to collaborate

👤 2-8 people recommended

➔

## 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

1

Team gathering

Pandiri Pranay Kumar  
Charan  
Akash Rao

2

Set the goal

Diabetes Prediction Using Machine Learning

3

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

Who:

Diabetic Patients

What:

Diabetic Prediction

When:

During the detection of Diabetics

Where:

Preventing the disease and take proper measures

Why:

"Diabetes Prediction with Machine Learning enables early detection and personalized guidance, empowering proactive health management, improving healthcare efficiency, and enhancing patient outcomes."

How mighty It's a big health issue that affects many people. We want to use the power of machine learning to create a tool that can predict diabetes early. This tool will help people make healthier choices and fight against diabetes. It's like a shield protecting people's health.

### Need some inspiration?

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

Open example ➔

Gathering, Collaborat Select the Problem Stat

## 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!

Person 1

Data acquisition

Data processing

Model Architecture

Transfer learning

Person 2

Disease program tracking

Data Augmentation

Hyper parameter tuning

Disease Program Tracking

Person 3

Data Authentication

Early Warning System

Error Analysis and loss function

Community Building

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 can 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.

Data Preprocessing

Data Collection and Analysis

Machine Learning Models

Multi-Modal Data Integration

Prioritization Collaboration

Prioritization Criteria

Prioritization Process

Data Sharing and Research Collaboration

Remote Health and Community

Telemedicine and Remote Monitoring

User-Friendly Interfaces

Community and Social Support

Deployment and observation

Error Analysis

Model Deployment

Early warning System

### Step-3: Idea Prioritization

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

#### TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.

