

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	592697
Project Name	Diabetics Prediction
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>

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

Template



## 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

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A

**Team gathering**  
Raja Tejeshwar  
Dasari Deekshitha  
Vangala Hemalatha  
Siddharth Charan Kolla

B

**Set the goal**  
Diabetics Prediction

C

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

Open article ➔

## Step-2: Brainstorm, Idea Listing and Grouping

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: Diabetics Prediction
When: During the detection of Diabetics	Where: Preventing the disease and take proper measures
Why: Early prediction of diabetes allows for proactive management and lifestyle modifications, which can significantly reduce the risk of complications associated with diabetes, such as heart disease, kidney failure, and vision problems.	
PROBLEM Diabetes is a complex, multifactorial disease influenced by genetics, lifestyle, and environmental factors. Predicting it accurately is challenging due to the interplay of numerous variables.	

2

### Brainstorm

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

🕒 10 minutes

Person 1	Person 2	Person 3	Person 4
<b>Data Collection and Preprocessing</b>	<b>Feature Engineering and Selection</b>	<b>Model Development and Training</b>	<b>Evaluation and Deployment</b>
Focus on collecting relevant datasets	Work on feature engineering, selecting the most informative variables for prediction.	Build and train the machine learning models for diabetes prediction.	Focus on evaluating model performance, conducting testing, and preparing the model for deployment.
Ensure data quality, and clean, preprocess, and format the data for ML model input.	Involves identifying relevant features, handling missing data, and creating new variables if needed.	Explore various ML algorithms, such as logistic regression, decision trees, random forests, support vector machines, or neural networks.	Consider ethical and regulatory considerations for deploying a medical prediction model.

### Step-3: Grouping

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

**Project  
Management  
and  
Collaboration**

**Documentation  
and Reporting**

**Quality  
Assurance and  
Ethical  
Considerations**

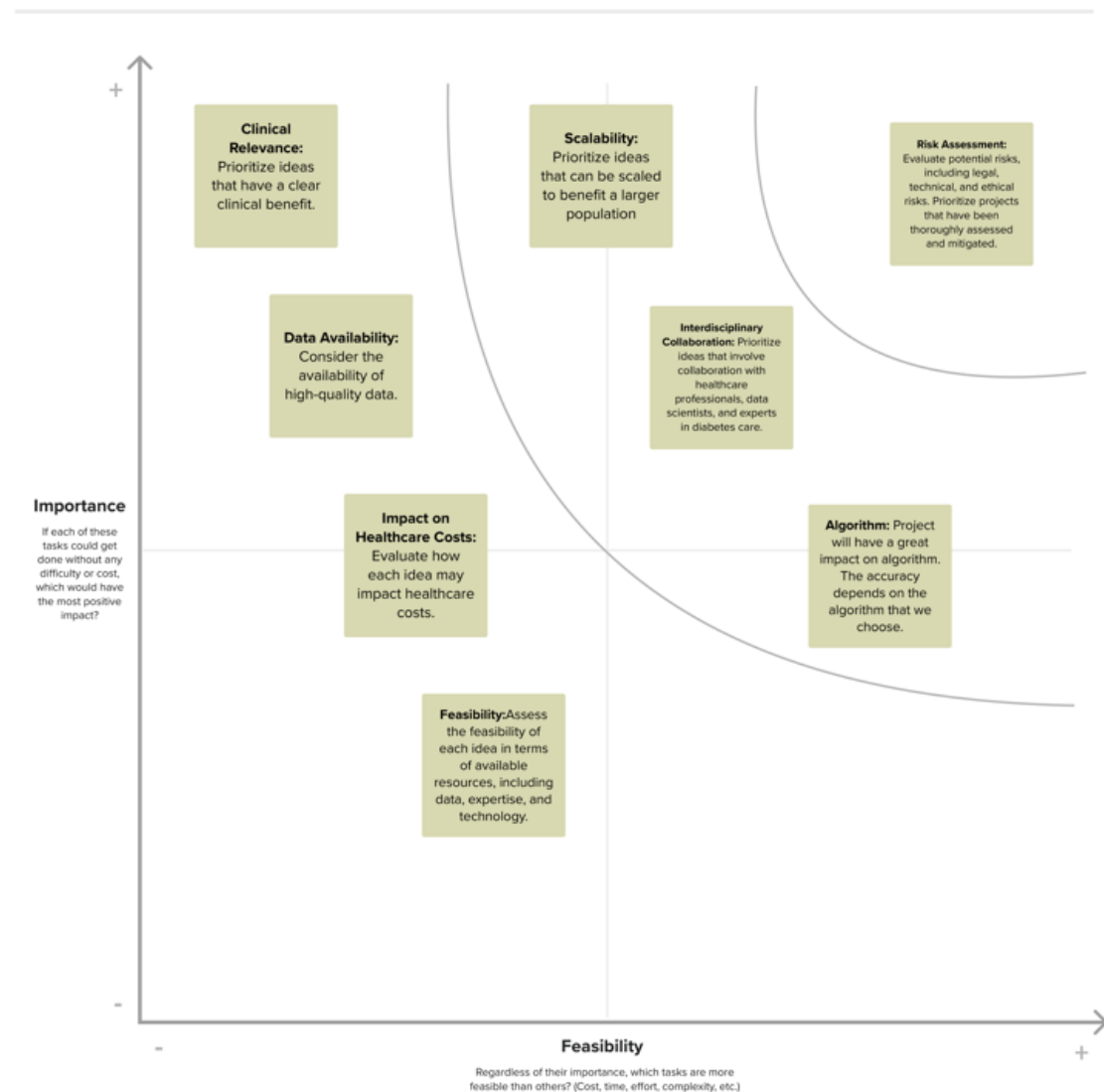
## Step-4: Idea Prioritization

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



Link to our mural:

<https://app.mural.co/t/hema9655/m/hema9655/1697641676564/4f01d4e51191f865fd5011d7db6779b31605ff8c?sender=u412e42c328b2d8e9f21b1585>