

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	10 October 2023
Team ID	Team-592279
Project Name	Heart Disease Prediction using Random Forest Classifier.
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 number 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://app.mural.co/t/lifesavers5966/m/lifesavers5966/1701771738646/7fdd99edaace6517aa7178ab27bf5fdfe842e17b?sender=u78eed8c337842cd3cbe41897>

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



### 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

- 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.

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**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 predict the possibility of heart attack?

**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

**Person 1**

By tracking Medical History	Lifestyle Factors	Food Habits	Unhealthy Habits like Smoking, etc
Automate to predict	Tobacco Usage	Work Stress	Melatonin

**Person 2**

Physical Activity	Fast Foods	Drug Abuse	Blood Pressure
Frequent Medical analysis	Diabetes	High Cholesterol	Stress Levels

**Person 3**

Wear fitness Trackers	Pollution Exposure	Hyper Tension	Previous Health Issues
Machine Learning Algorithms	Sleep Cycle	Family Responsibilities	Obesity

**TIP**

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

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 mind.

**Medical Issues**

Blood pressure	High Cholesterol	Diabetes
Obesity	Hyper Tension	

**Health Tracking**

By tracking Medical History	Frequent Medical analysis	Automate to predict
Wear fitness Trackers	Machine Learning Algorithms	

**Using Technology**

Machine Learning Algorithms	Automate to predict
Wear fitness Trackers	

**Life Style**

Tobacco Usage	Unhealthy Habits like Smoking, etc	Lifestyle Factors
Work Stress	Stress Levels	Drug Abuse

**Food Habits**

Melatonin	Food Habits	Fast Foods
Sleep Cycle		

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.

**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.)

Plotted ideas include: Blood pressure, High Cholesterol, Drug Abuse, Wear fitness Trackers, Work Stress, Frequent Medical analysis, Machine Learning Algorithms, Automate to predict, Sleep Cycle, Tobacco Usage, Unhealthy Habits like Smoking, etc, Lifestyle Factors, Fast Foods, Food Habits, Diabetes, Obesity.