

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID40426
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
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



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

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➡ 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

• The USER needs a way to identify whether his/her is affected by Arrhythmia so that he/she need or need not consult a doctor

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.



Need some inspiration?
Get a limited version of this template to kickstart your work.

[Open example](#) ➡

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm

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 button to start drawing!

VANMATHY D

consult a cardiologist after an immediate configuration

in case of chronic impact, usage of anti-arrhythmic drugs are preferred

Stick to a diet

In the instance of arrhythmic symptoms, seek a primary care provider

Opt for a Bypass surgery, if needed

Avoid illegal Drugs

MIDHULAMANI S

Developing a model to detect Arrhythmia

Develop an application for detection

Pre-identify the symptom

To verify whether the user is affected by arrhythmia

Reduce high Blood Pressure

Resist Stimulants

NARMADHA R

To keep a constant heartcycle

Analysis of cardiac cycle per minute

Regular monitoring of sugar level

Identification of Hyper Thyroid

Control cholesterol level

Scrutiny of ECG using wearable Holler monitoring

Enjoy regular physical activities

Eat a heart healthy diet

YAMINI D

Keep a progressive record of day-to-day work

Take all medications exactly as prescribed

3

Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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 link, organize, and categorize important ideas as themes within your mind.

Developing an AI model for Classification of Arrhythmia

Developing an app for Detection

Analysis of previous Symptoms

Improve Early identification and treat accordingly

Classification of Arrhythmia and evaluation of Medication

Monitoring day to day lifestyle concurrently

→

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→

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

