



# 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



### Team gathering

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



### Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.



### Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

Open article



## 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 classify arrhythmia with deep learning algorithm using ECG spectral image to help users classify the given image under a arrhythmia category



### Key rules of brainstorming

To run a smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.



## 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!

### Prasanna Kumar

The proposed CNN model works on 2-D image of ECG signal as input data	ECG signals augmenting training data manually could degrade the performance	It should not have any limited amount of user or data
The early detection or arrhythmia error better understanding of disease cases	The early diagnosis of cardiac arrhythmia highly relies on ECG	Consume less time to finish the test and give the result
It can also	Implemented	The present

### Nithiyanatham

An irregular or abnormal heartbeat	Pause in sinus rhythm	Evaluating the ECG tracing
Abnormalities of irregular parameters of abnormal rhythm or abnormal conduction or both	Abnormalities of cardiac electrical activity result	Based on heart rate
Non invasive diagnostic technique	ECG data to use features based on the engineer	The existing techniques for arrhythmia classification techniques using a neural network

### Mohammed Attique

Incorporating different approaches of machine learning (ML) techniques	Analysis of digitized ECG signals based on artificial intelligence	Detection of Obstructive Sleep Apnoea Using Features Extracted
Detection of inferior myocardial infarction using shallow CNN	Multi-lead ECG classification via an information based attention	compared with AlexNet and VGGNet
Each convolution layer is followed by a pooling layer	The model follows the CNN architecture with four 2-D convolution layers	A fully connected layer is used between the last pooling layer and the output layer

### Prabakaran

Optimization parameters in the proposed 2-D CNN model	Long term monitoring	It is quick safe and painless test
Detects irregular heart beats	can ECG detect heart blockage	Can be easily added to modify
Delivering more preventive care	poor electrode to patient contact	Remote access and availability



## 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 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.

## Look of the site

- Give professional look to the website
- Dynamic website with professional look
- Use bootstrap to have 2-3 different pages for user to navigate

## Non functional requirements

- Check the authentication of the user before getting an input image
- Quick response and faster reload time
- Lets provide information about the problem to the user in the first page

## Modal training and testing

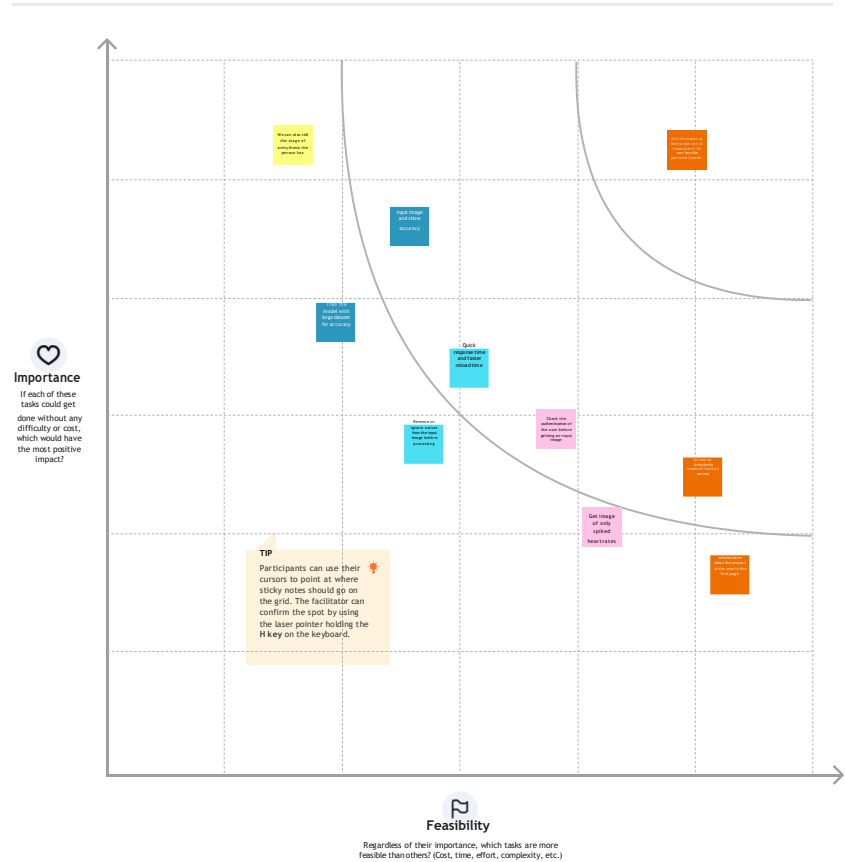
- Train the modal with large dataset for accuracy
- Accurate prediction of input image
- Test the data with different categories of Arrhythmia



## 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



## After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

### Quick add-ons



#### Share the mural

Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.



#### Export the mural

Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

### Keep moving forward



#### Strategy blueprint

Define the components of a new idea or strategy.



#### Customer experience journey map

Understand customer needs, motivations, and obstacles for an experience.



#### Strengths, weaknesses, opportunities & threats

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.



#### Share template feedback



Need some inspiration?  
See a finished version of this template to kickstart your work.  
Open example

