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

Share template feedback

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

How might we [your problem statement]?
The electrocardiogram (ECG) is one of the most extensively employed signals used in the diagnosis and prediction of cardiovascular diseases (CVDs). The ECG signals can capture the heart's rhythmic irregularities, commonly known as arrhythmias. A careful study of ECG signals is crucial for precise diagnoses of patients' acute and chronic heart conditions. In this study, we propose a two-dimensional

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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.

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!

Kaavya Lakshmanan

- The proposed CNN model takes in 2-D images of ECG signals as input data
- ECG signals, augmenting noise, baseline wander, manually could degrade the performance
- It should not have any leakage from the test set data
- The early detection of Arrhythmia gives better understanding of disease causes
- The early diagnosis of cardiac arrhythmia highly relies on the ECG
- Consume less time to finish the test and give the result
- It can also categorize according to risk levels
- Implemented in Python with the open source library Tensorflow
- The present research uses only a single-lead ECG signal

Agallya A N

- An irregular or abnormal heartbeat
- Pause in sinus rhythem
- Evaluating the ecg tracing
- Abnormalities of conduction include an abnormalities of impulse conduction on both
- Abnormalities of cardiac electrical activity result
- Based on Heart rate
- nonirrnvasive diagnostic technique
- ECG data to use features based on the engineer,
- The mapping between ECG and arrhythmia classification techniques using a deep neural network

Jawahar R Dhiloshaa sree R

- Incorporating different approaches of machine learning (ML) techniques
- Analysis of Digitalized ECG Signals Based on Artificial Intelligence
- Detection of Obstructive Sleep Apnea Using Features Extracted
- Detection of Inferior Myocardial Infarction using Shallow CNN
- Multi-Lead ECG Classification via Feature Attention Based Attention.
- compared with AlexNet and VGGNet
- Each convolutional layer is followed by a pooling layer
- The model follows the CNN architecture with four 2-D convolutional layers.
- A fully connected layer is used between the last pooling layer and the output layer

Hiruthik K

- 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 modified
- delivering more preventive care
- poor electrode to patient contact
- Remote access and availablity

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 and break it up into smaller sub-groups.

20 minutes

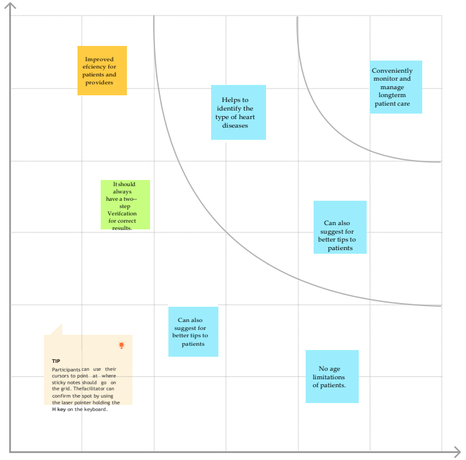
TIP
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

What went well..	What didn't go well...	Action..
Timeline	Negative	Achive the task
collaboration	Fearless	
suggestions		
Security		

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. Theifacilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.

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

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

B **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.
  Open the template
- **Customer experience journey map**
  Understand customer needs, motivations, and obstacles for an experience.
  Open the template
- **Strengths, weaknesses, opportunities & threats**
  Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
  Open the template

Share template feedback

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