


## IDEATION PHASE

### BRAINSTORM & IDEA PRIORITIZATION

Date	19 September 2022
Team ID	PNT2022TMID16055
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	4 Marks




#### Brainstorm & Idea Prioritization Template:


#### 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

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**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

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**PROBLEM**

How might we [your problem statement]?



#### Key rules of brainstorming

To run a 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

SURIYA R

Arrhythmia classification in patients is performed using the ECG signals collected through the IoT idea.

SUGUMAR S

Arrhythmia separate extraction approach based on the multi-layer probabilistic neural network (MPNN) classifier

**Provide a classification of arrhythmia using CNN model**

**Using deep learning and define the separate results**

YOGANATHAN M

The detection the risk of irregular heartbeats by the holter monitor, it shows the cardio graphs.

VISHNURAM S

With the help of the CNN model, then developing a web application to classify the image and cited class will be displayed on the webpage.

**High computational cost**

### Step 3: Idea Prioritization

