

IDEATION PHASE

Brainstorm & Idea Prioritization Template


Date	03 October 2022
Team ID	PNT2022TMID29456
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
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.

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

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


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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.



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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 doctors' hands should be sterile inside the Operation Theatre. They would often need to pick some objects or would try to ask for some objects. They should be able to communicate without touching any objects which may lead to some infections. We try to avoid direct contact by recognizing the hand gestures of the doctors using an UI that is associated with an AI model.



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.



Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#) →

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

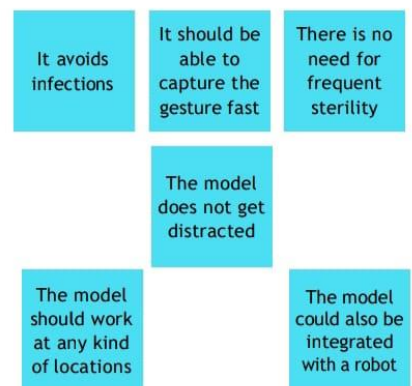
TIP

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

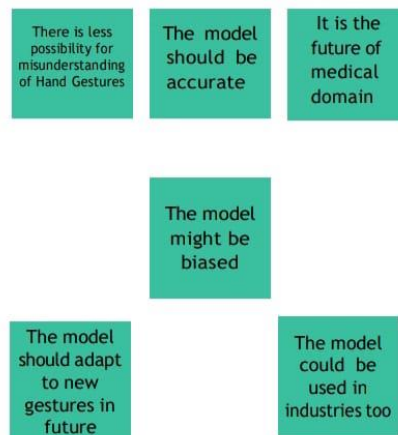
PARTHIBAN.S & ASHOK KUMAR.S



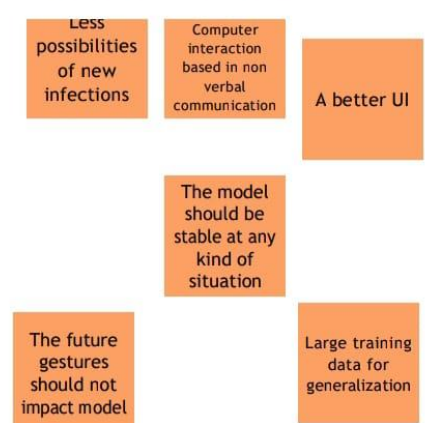
POUVAN SHANKAR.M



PRAGADEESHWARAN.G



HARI SHANKAR.M



Step-3: Group ideas

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

Gloves and Infections:

It avoids
infections

Contactless

Gloves
should not
affect the
gestures

Less
possibilities
of new
infections

Communication:

The future
gestures
should not
impact model

The model
should work
at any kind
of locations

Model Complexities:

The model
might be
biased

The model
should adapt
to new
gestures in
future

It should be
a
generalized
model

Sensors and cameras:

Doctor
Computer
interaction
based in non
verbal
communication

There is less
possibility for
misunderstanding
of Hand Gestures

It should be
able to
capture the
gesture fast

Use of high
resolution
camera enhance
the recognition
of gesture

Step-4 :Prioritize

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

