Brainstorm & idea prioritization

Team ID: PNT2022TMID29007

Project: A Gesture-based Tool for Sterile Browsing of Radiology Images

- 30 minutes to prepare
- 1 hour to collaborate
- 5 people

Team Leader: Keerthi

Raghavan R

Team Member: Aakash B

Team Member: Haridharshan

Team Member: Prakashraj V Team Member: Saransiva P



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

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.



Brainstorm

@ 10 minutes

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

The doctors' hands should be sterile inside the



camera enhanc

of gestrure

Fast and efficient

It should be

generalized

model

Raghavan R

Keerthi

Gloves should not affect the gestures meaning

There is no

need for

verbal

comunication

nfection

It avoids

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at any kind

of location

able to capture to

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here is no

need for

frequen

Aakash B

Prakashraj V

The mode

might be

biased

The mode There is less should be Hand Gestures accurate

The model

to new

gestures in

It is the future of medical domain

The model

could be

used in

dustries to

Less ossibilitie of new infection

Doctor Computer interaction based in no verbal

The future

should not

npact mode

gestures

Saransiva P

A better U

The mode should be stable at an kind of situatio

arge training data for eneralizatio



Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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 meaning

Less possibilities of new infections

Communication:

The future gestures should not mpact 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

Sensors and cameras:

Computer interaction based in non ommunicatio

There is less possibility for Hand Gesture It should be able to capture te gesture fast

It should be

generalized

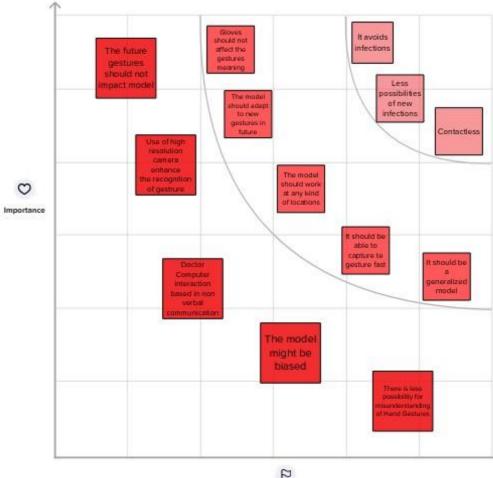
model

Use of high resolution amera enhance the recognition of gestrure



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



Feasibility