

Brainstorm & idea prioritization

Team ID : PNT2022TMID29001

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

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

Team Leader: Gokhul T G
Team Member: Akshaya TA M
Team Member: Sriram K
Team Member: Swetha G

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

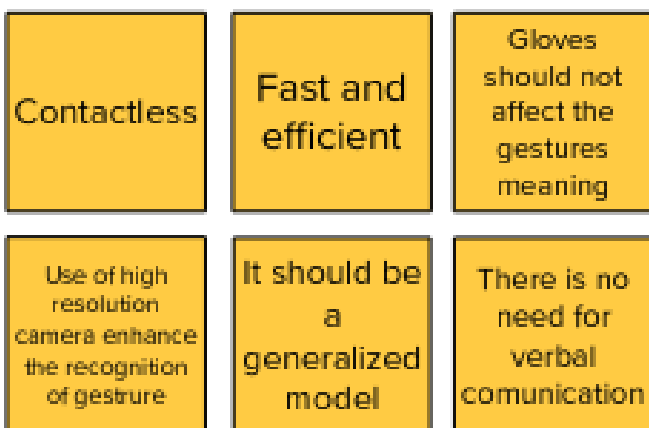
The doctors' hands should be sterile inside the Operation Theatre. They would often need to pick some objects or would try to ask for some objects. They should be able to communicate without touching any objects which may lead to some infections. We try to avoid direct contact by recognizing the hand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

2

Brainstorm

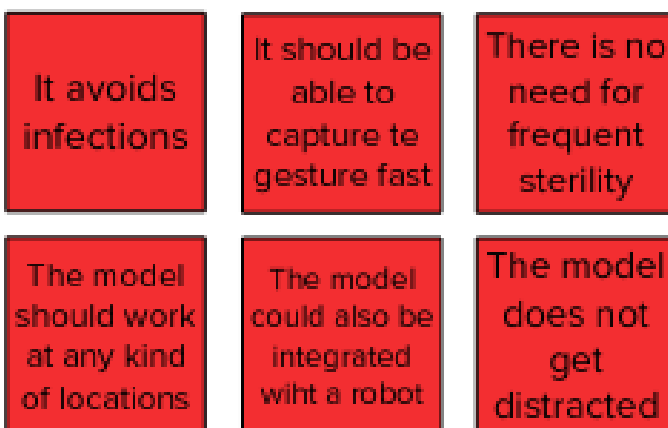
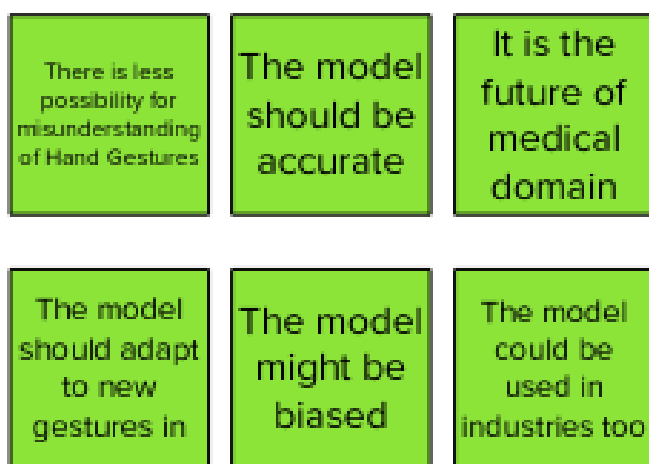
Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes



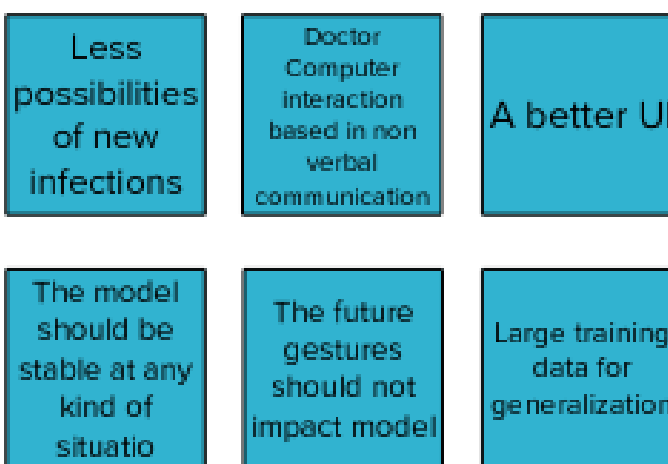
T.G.Gokhul

Swetha.G



TA.M.Akshaya

Sriram.K



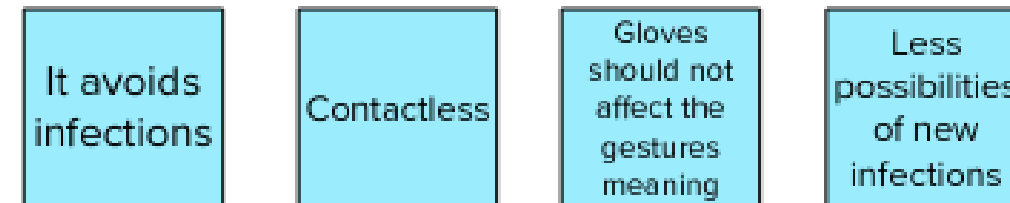
3

Group ideas

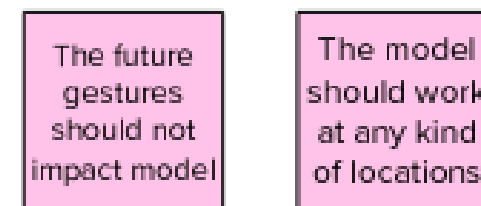
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

🕒 20 minutes

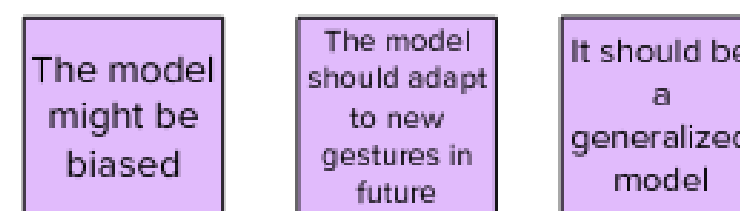
Gloves and Infections



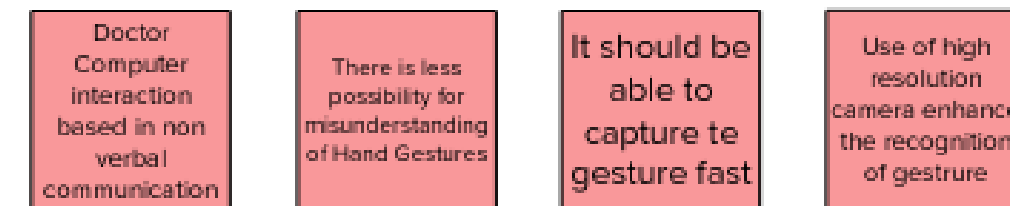
Communication:



Model Complexities:



Sensors and cameras:



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

