

Ideation Phase

Empathize & Discover

Date	19 September 2022
Team ID	PNT2022TMID07118
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	4 Marks

Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

It is a useful tool to helps teams better understand their users.

Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

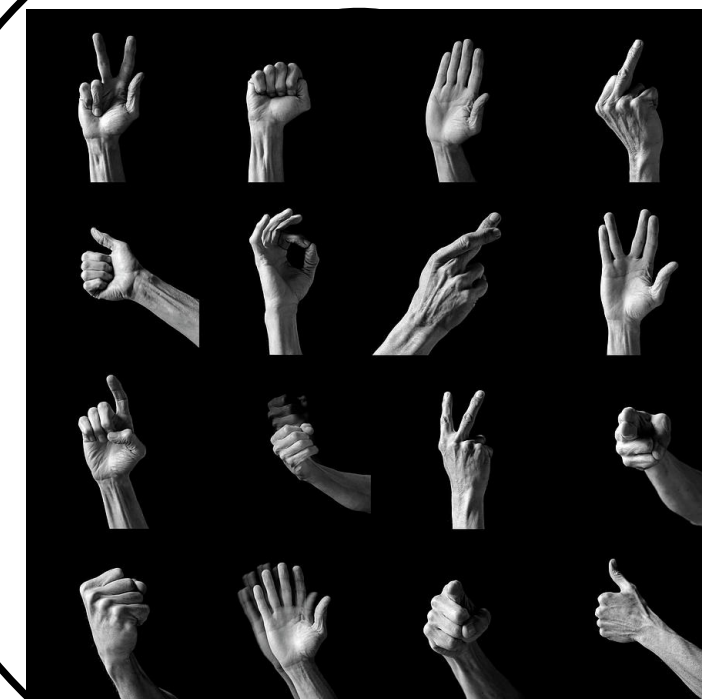


An innovative project which helps the doctor to remain in place during the entire operation, without any need to move to the main control wall since all the commands were performed using hand gestures.

People have serious question "Will this work effectively?"

What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations



The user for our application is Mostly Doctors and medical personals. Since the app makes their work easy their reaction to our product will be very positive

What do they SEE?

environment
friends
what the market offers



As the reaction of Doctors are positive the same may apply to the Patients

What do they SAY AND DO?

attitude in public
appearance
behavior towards others



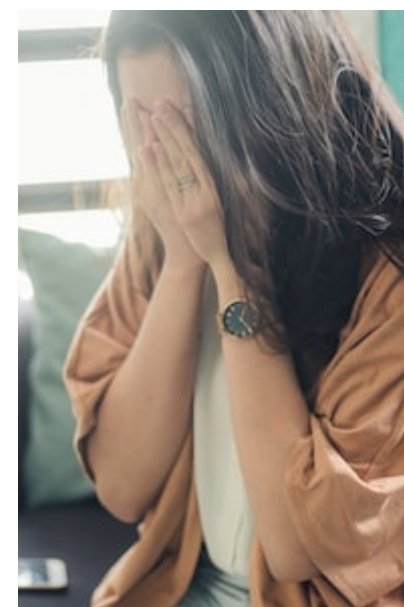
Adapting this technology for future research

Technology makes life easier

Every doctors must adapt this technology to perform the operations effectively

PAIN

fears
frustrations
obstacles



There are lots of prospects for the AI technology, since this application is based on Artificial Intelligence this may see much more advancement in the future this may cause frustration for some people due to our current limitations

GAIN

"wants" / needs
measures of success
obstacles

The sterility of the hospital and the chances of spreading infections in Operating Room can be reduced

Since it is contact free interface no unfortunate accidents can happen

Operation success rate can be increased in high number due to operator's contact-free navigation of radiology images in the computer



What are the benefits!!!

Ease of use—the system allows the surgeon to use his/her hands, their natural work tool

What do they HEAR?

what friends say
what boss say
what influencers say

It is going to make the surgeons and other doctors work easy

A revolutionary idea is on the go



Image rendering may happen frequently, this can frustrate the doctors during a procedure

Image rendering can slow the procedure in Operating Room