

# PROPOSED SOLUTION

**PROJECT TITLE: A GESTURE BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES**

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What problems are you trying to solve?

- Direct contact diseases like Covid-19, MERS can be easily transmitted from person to person easily which causes loss of lives.
- Using conventional mouse to interface with medical records in operation theatre consumes a lot of time because the doctor has to move from place to place.
- Also the mouse interface is another major factor for disease transmission.

Why should we solve it?

- The most important reason to solve the problem is ultimately saving lives which is the most valuable thing.
- A lot of complex surgeries need to be completed within the planned time. So moving here and there to see the medical records is a waste of time. Every second or minute can decide a person's life.

How do you propose to solve it?

- Changing the interface from conventional mouse to gesture based interface which is completely contact less.
- A machine learning model is used to recognise the gesture and manipulate the medical record.

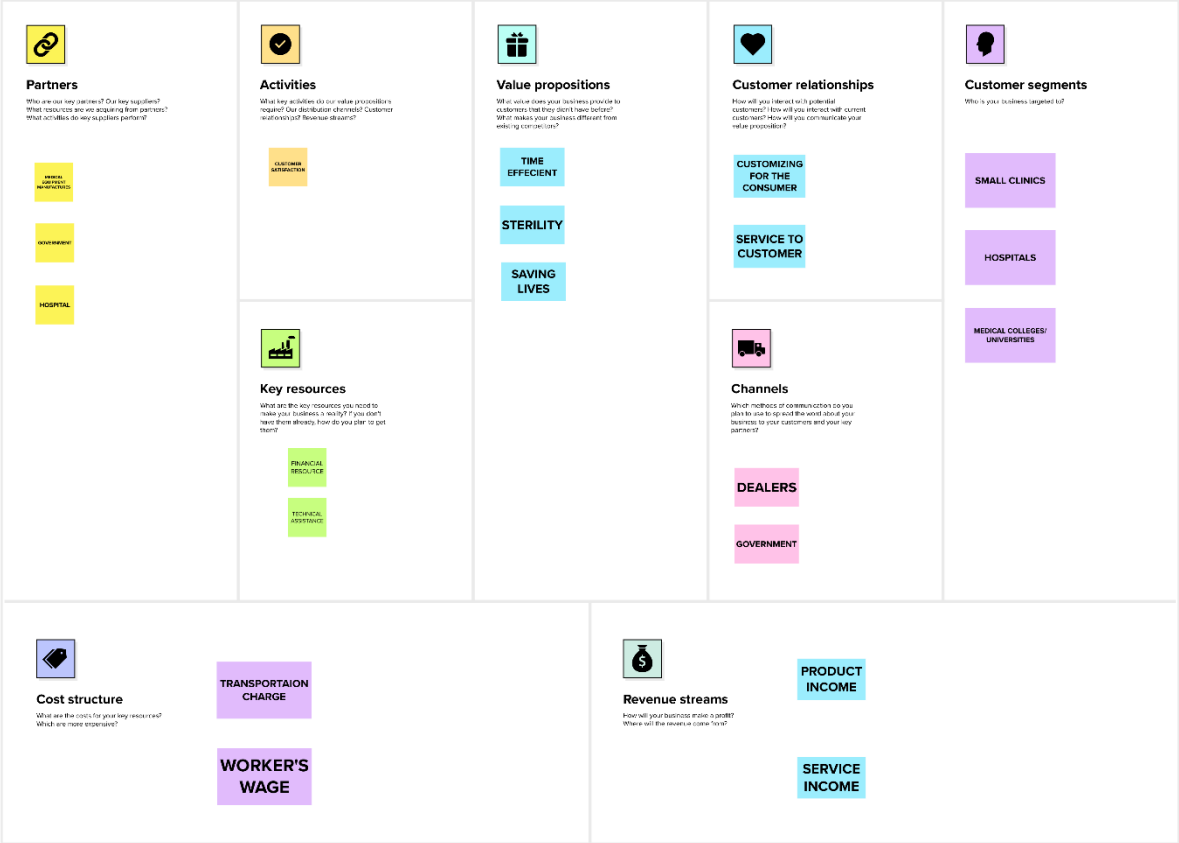
What other approaches did you consider?

- A voice interface can also be used.
- But the problem with voice controlled interfacing is elimination of noise.

What could go wrong?

- In case of any problem with the accuracy of the system there will be time delay which will have a huge impact on the patient's life.

# BUSINESS CANVAS MODEL



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