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

Partners

Who are our key partners? Our key suppliers? What resources are we acquiring from partners? What activities do key suppliers perform?

- MEDICAL EQUIPMENT MANUFACTURES
- GOVERNMENT
- HOSPITAL

Activities

What key activities do our value propositions require? Our distribution channels? Customer relationships? Revenue streams?

- CUSTOMER SATISFACTION

Key resources

What are the key resources you need to make your business a reality? If you don't have them already, how do you plan to get them?

- FINANCIAL RESOURCE
- TECHNICAL ASSISTANCE

Value propositions

What value does your business provide to customers that they didn't have before? What makes your business different from existing competitors?

- TIME EFFICIENT
- STERILITY
- SAVING LIVES

Customer relationships

How will you interact with potential customers? How will you interact with current customers? How will you communicate your value proposition?

- CUSTOMIZING FOR THE CONSUMER
- SERVICE TO CUSTOMER

Channels

Which methods of communication do you plan to use to spread the word about your business to your customers and your key partners?

- DEALERS
- GOVERNMENT

Customer segments

Who is your business targeted to?

- SMALL CLINICS
- HOSPITALS
- MEDICAL COLLEGES/ UNIVERSITIES

Cost structure

What are the costs for your key resources? Which are more expensive?

- TRANSPORTAION CHARGE
- WORKER'S WAGE

Revenue streams

How will your business make a profit? Where will the revenue come from?

- PRODUCT INCOME
- SERVICE INCOME