CC

RC

SL

Explore

AS,

differentiate

AS

1. CUSTOMER SEGMENT(S)

Neurology Doctors who analyzes radiology images.

6. CUSTOMER

CS

J&P

TR

As India is a developing country, the technology growth is still in progress. In medical field also the implementation of modern technology is growing. So, this concept is not aware among people in medical field and the cost is also relatively high to deploy.

5. AVAILABLE SOLUTIONS

A video-based hand gesture capture and recognition system used to manipulate MRI within a graphical user interface.

A hand gesture vocabulary of commands are selected such as 1-Resize, 2-Flip, 3-Rotate, 4-

2. JOBS-TO-BE-DONE / PROBLEMS

Neurology doctors face problem of spreading infection while using computer keyboards and mouse in Intensive Care Unit(ICU) to view the radiology images.

9. PROBLEM ROOT CAUSE

The use of computer keyboards and mice by doctors and nurses in intensive care units (ICUs) is a common method for spreading infections.

7. BEHAVIOUR

Rectangle.

The doctors/surgeons wish to browse the image database. The hand is moved rapidly out of the neural area so that a non-verbal interaction is possible to analyze the image.

3. TRIGGERS

The use of hand gestures as an alternative to existing interface technologies offers the advantage of sterility.

10. YOUR SOLUTION

The image of the gesture captured in the video frame is compared with the pre-trained model and the gesture is identified. This

8. CHANNELS of BEHAVIOUR

Since this is viewing the images to analyze the details about the image both online and offline modes are possible.



BE

4. EMOTIONS: BEFORE / AFTER EM	helps surgeons for sterile browsing.	
Before using the application: May not feel		
hygienic to work in the Intensive Care Unit which		
may affect the other patients and their family		
members.		
After using the application: Experience sterile		
browsing or analyzing of images by sending		
commands non-verbally and have Intensive care		
over patients.		