

1. Who is your customer?

The customers for this project were Doctors, medical lab technicians and the people who are all working with the radiology images in the hospitals sectors who needs the sterile browsing of the radiology images.

2.Explore limitations to use your product

Limitations for the customers to use my product are Spending Power, Network connection. Available device, Web cam Facility to capture the gesture of the user.

3.Available solutions for the customer problem

- By using the gesture, the user can browse the images in the effective way.
- It uses hand gesture to navigate and manipulate the images.
- Even user can upload the hand gesture images to browse the radiology images.

4. Frequent problem to solve for the customer

Making a physical contact with the computer to work with the navigation or the manipulation of the images is the frequent problem. By this gesture tool this frequent problem will be solved and the hand gesture make the image navigation and manipulation simple and easier without making the physical contacts with the computes.

5.Understan the root cause of the problem

The root cause of the problem here it is, user feels somewhat difficult to manipulate, navigate and working with the images in the physical way of interaction with the computer. They were excepting some new technology to do the image manipulation easier.

6. Behaviour

- The user Behaviour of this problem is that, facing number of steps and process to work with the radiology images for the manipulation of the data.
- And this behaviour of the user is often repeats to work with the images.

7.Triggers to act

- The physical contact and repeated process for the image working triggers the user to go with our product
- And the design and user interface of our product makes to user to use this product

8.Emotions of user

- Before use of our product the user feels little difficult to work with the images
- After the use of gesture-based tool for image processing the user feels easy to manipulate the images

10. Solution

This project has all the available solution for these major problems faced by the users. In this project the hand gesture data sets were trained by the CNN (Convolutional Neural Network), the Deep learning Algorithm. By this the hand gestures on the different angle had identified accurately and the process for the particular position of the hand gesture is processed.

9. Be where your customer are?

The customer is in the online to access our product resource to work with the images using the CNN (Convolutional Neural Network), Test data and Train Data to manipulate the images.