Project Title: **Project Design Phase-I - Solution Fit Template** **Team ID:** PNT2022TMID15330

A GESTURE-BASED TOOL FOR STERILE BROSWING OF RADIOLOGY IMAGES

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

Who is your customer?

Surgeons and hospitals

C

6. CUSTOMER CONSTRAINTS

Hand gestures are diverse, have multiple meanings, and vary spatio-temporally

5. AVAILABLE SOLUTIONS

Fighting the lag

Combination of movements

Explore AS, different

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS

To separate objects of interest in images is difficult.

9. PROBLEM ROOT CAUSE RC

Predefined hand gestures

Application development

7. BEHAVIOUR BE

Interaction and review

Focus on J&P, tap into BE, understand RC

Identify strong

3. TRIGGERS

What triggers customers to act?

Easy accessibility, navigation, and manipulation of images

10. YOUR SOLUTION

In this project Gesture based Desktop automation ,First the model is trained pre trained on the images of different hand gestures, such as a showing number with fingers as 1 ,2,3,4 . This model uses the integrated webcam to capture the video frame.

8. CHANNELS of BEHAVIOUR CH

ONLINE :

Direct manipulation gestures. They are used to scale or rotate a tangible object

OFFLINE :

TR & EM	**4. EMOTIONS: BEFORE / AFTER** EM How do customers feel when they face a problem or a job and afterwards? Irritation and frustration	The image of the gesture captured in the video frame is compared with the pre-trained model and the gesture is identified. If the gesture predicts is 1 then images is blurred;2, image is resized;3,image is rotated etc. s	gestures that are processed after the user interaction with the object. An example is a gesture to activate a menu