# Project Title: A GESTURE-BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES Project Design Phase-I - Solution Fit Template **Team ID:** PNT2022TMID00221 1. CUSTOMER SEGMENT(S) CS 6. CUSTOMER CONSTRAINTS CC Explore AS, differentiate Define AS 5. AVAILABLE SOLUTIONS There is a chance that the hospital might lack This tool is used for the beneficial of the At the earliest stage, doctors should the required infrastructure. doctors to avoid the spreading of infectious carry the transparent sheet to print the disease. patient's description. The user must reduce the usage of power To avoid the direct contact between the consumption. f it into But now a days, with the help of the gesture based tool, the doctors can doctor and the devices. Maintain a stable connection environment. operate the radiology images. RC 2. JOBS-TO-BE-DONE / PROBLEMS 9. PROBLEM 7. BEHAVIOUR BE J&P ROOT CAUSE Accuracy, efficiency The root cause of the problem is whenever the non-sterile environment If the user faces any issues while using the Sterility should be maintained. software, the technical team must available to is created accidentally, which can resolve the issues. increases the complexity of the Everyone must aware of the problem. algorithms used. $\overline{\mathbf{T}\mathbf{R}}$ SL3. TRIGGERS 10. YOUR SOLUTION 8. CHANNELS of BEHAVIOUR $\mathbf{CH}$ Learning about the modern and This solution helps the doctors to use hand 8.1 ONLINE Identify Identify strong gestures for radiology images and to perform Stability of network connection must be maintained to efficient solution. analyze the radiology images. operations at a faster rate. Easy browsing enhances the 8.2 OFFLINE It can avoid spreading of infections by customer to switch to this User must use proper hand gestures to get contactless process. technology. recognized while using the software. Power efficiency must be maintained.

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4. EMOTIONS: BEFORE / AFTER

environment

Before: complex work, unhygienic environment

After: easy and simplified process, sterile