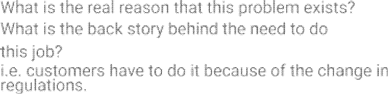
**Project Title:** *A Gesture-based Tool for Sterile Browsing of Radiology Images* **Project Design Phase-I** - **Solution Fit Template**

**Team ID:** PNT2022TMID28478

* Manipulation of scan images during surgery affects surgeon's ability to remain sterile



* It is difficult to view scan images in the mid of surgery



* Monitoring the patients scan images
* Restricting the operations performed on the images
* Maintaining sterility
* Providing better user friendly interface for the surgeons
* Hands detected within the frame window

# Gloves worn by the radiologist

* Live streaming of video is a great concern of privacy issues

# Need of camera supported system

* Difficulty in maintaining sterility
* Lack of time to handle various image operations manually by key press
* Difficulty in using wearable devices for hand gesture tracking
* Wearable devices can be used to detect hand gesture
* Voice commands can be used to perform operations on the scan images

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* Can use different peripheral wearable devices like sensors, hand gloves, color markers etc which is not user friendly

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| --- | --- | --- | --- | --- |
|  | **3. TRIGGERS TR**  What triggers customers to act? i.e. seeing their neighbor installingsolar panels, reading about a more efficient solution in the news.  - Ease of human Computer interaction | 1. **YOUR SOLUTION SL**   If you are working on an existing business, write down your current solution ﬁrst,ﬁll in the canvas, and check how much it ﬁts reality.  If you are working on a new business proposition, then keep it blank until you ﬁll inthe canvas and come up with a solution that ﬁts within customer limitations, solves a problem and matches customer behavior.   * + To make use of hand gestures to control the image viewer   + To perform automatic and controlled scan image operations   + To maintain sterility | 1. **CHANNELS of BEHAVIOUR CH**   **ONLINE**  What kind of actions do customers take online? Extract online channels from #7   * + To perform various operations on the scan images in the web browsers   **OFFLINE**  What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7and use them for customer development.   * + To perform various operations on the scan images already available in the database in the offline pplication |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do customers feel when they face a problem or a job and afterwards?  i.e. lost, insecure > conﬁdent, in control - use it in your communication strategy & design.  **Before** - Frustrated to move from patient towards device to manipulate images **After** – Easy to concentrate on surgery  without switching between device and patients |