**Ideation Phase**

**Define the Problem Statements**

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| Date | 9 October 2022 |
| Team ID | PNT2022TMID33664 |
| Project Name | Project - A Gesture-based Tool for Sterile Browsing of Radiology Images |
| Maximum Marks | 2 Marks |

**Problem Statement :**

This system is a real-time hand-tracking recognition technique based on colour and motion fusion.  this type of interface prevented surgeon's focus shift and change of location while achieving, rapid intuitive interaction with an EMR image database.  a vision-based hand gesture capture and recognition system that interprets in real-time the user's gestures for navigation and manipulation of images in an electronic medical record (EMR) database. Navigation and other gestures are translated to commands based on their temporal trajectories, through video capture

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| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | A doctor who is in an operation room | Trying to view a clear view of 3D MRI & EMR scans | Due to the gloves in his hand and sterile issue can’t get a clear view using hand | Because due to sterile issue he can’t touch the screen | Which makes the to loss concentration  And feel tense |
| PS-2 | A doctor who is in or | Trying to get full view of brain in 3D | Due to gloves in hands can’t zoom In using fingers | Because of the naked eye can’t get a clear view | Which makes the doctor not efficient and tense during operation |