

A GESTURE -BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES

Problem Statements

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Team ID	PNT2022TMID39067
Project Name	Project – A Gesture-based tool for sterile browsing of Radiology images

Statement Template:

The use of doctor-computer interaction devices in the operation room (OR) requires new modalities that support medical imaging manipulation while allowing doctors' hands to remain sterile, supporting their focus of attention, and providing fast response times. This paper presents "Gestix," 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.

- Gesture are difficult in understanding, informal etiquette, information might get distorted, etc.
- It is not precise and sometimes it is vague and plain.
- One cannot make long explanation or conversation through gesture.
- It is one of the informal types of communication, where it is not suited for official purposes.

Customer Problem:-

1. Sanju is a Doctor who wanted to monitor his patient by using Gesture-based tool(intelligence).
2. The Intelligent agent have to understand that the patient hand signals to communicate with them and satisfying the patient need .
3. But, sometime the Agent can't predict the hand signals and Agent won't do anything unless patient do something .
4. Because, The Agent might not have the clear view and not able sense the sign of the patient, which is Agent unable to predict what kind of Need he wants .
5. It based on taking care of patient who in illness ,It is too risk if The Agent reported wrong Information might be cause dangerous which is what I feel.