

# **A GESTURE BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES**

## **PROBLEM STATEMENT**

- When the System did not recognition the gesture correctly which take long reaction time to the system
- Hand Gesture Recognition Using Camera is based on concept of Image processing
- Examining patient-specific image data, gathered from computed tomography scans and magnetic resonance imaging scans
- during a surgical procedure requires doctor-computer interaction that supports medical imaging manipulation while allowing doctors' hands to remain sterile.
- The Combination of Vision and Synaptic interactions that were formed along brain development made the Humans to recognise body and sign language easily
- Traditional methods of human-computer interaction fail to provide an efficient method of medical image manipulation supporting users' focus of attention. With the advent of Artificial Intelligence, a new mode of interaction, Gesture based interaction is introduced
- The allowed activities include resizing, blurring, and flipping the radiology images based on the hand gesture commands
- The vision based hand gesture system eliminates the contact between surgeon and computer interfaces which helps in maintaining sterility and ensure patient safety in operation theater