

Nalaiya Thiran

A gesture based tool for sterile browsing
of radiology images

Domain : Artificial Intelligence

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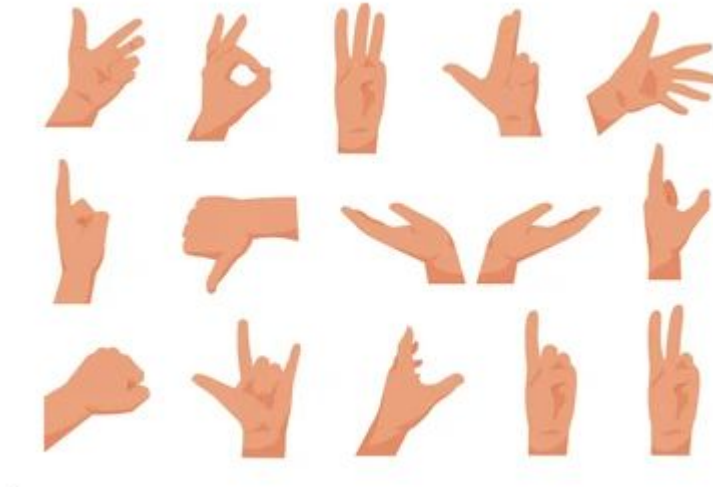
Objective

The aim of this project is to provide a touch-free solution for browsing radiology images in the hospital to avoid contamination.



IDEATION

- Using image processing to recognise hand gestures and execute the corresponding actions, thus providing a sterile work environment.



IDEATION

- This model uses the integrated webcam to capture the video frame. The image of the gesture captured in the video frame is compared with the pre trained model and the gesture is identified.



IDEATION


- Humans will find it convenient to navigate using gestures than touching unclean surfaces in a hospital.



SOFTWARES REQUIRED:

- Python
- OpenCV
- Tensorflow

PROCESS FLOW :

- The dataset is first obtained which includes data of various hand gestures.
 - The dataset is then processed using Python packages like tensorflow.
 - The processed data is then used to train a model for recognising hand gestures.
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THANK YOU

