Title: "Smart Shiksha-Deep Learning Based Hand Gesture Recognition for On-Screen Writing and Streaming For Online Classes"

Aim:

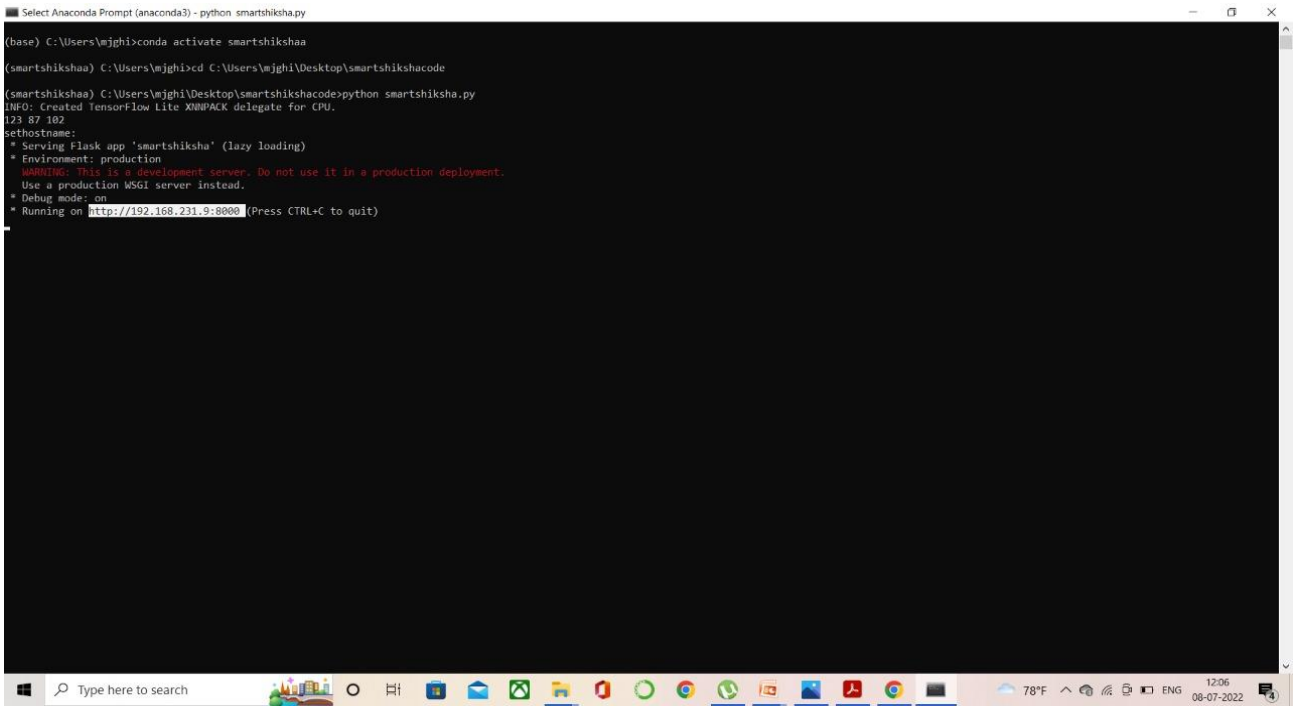
To develop an effective online teaching platform by providing a powerful AI based tool for onscreen writing and editing by detecting the hand gestures as well as streaming to the multiple students.

Objectives:

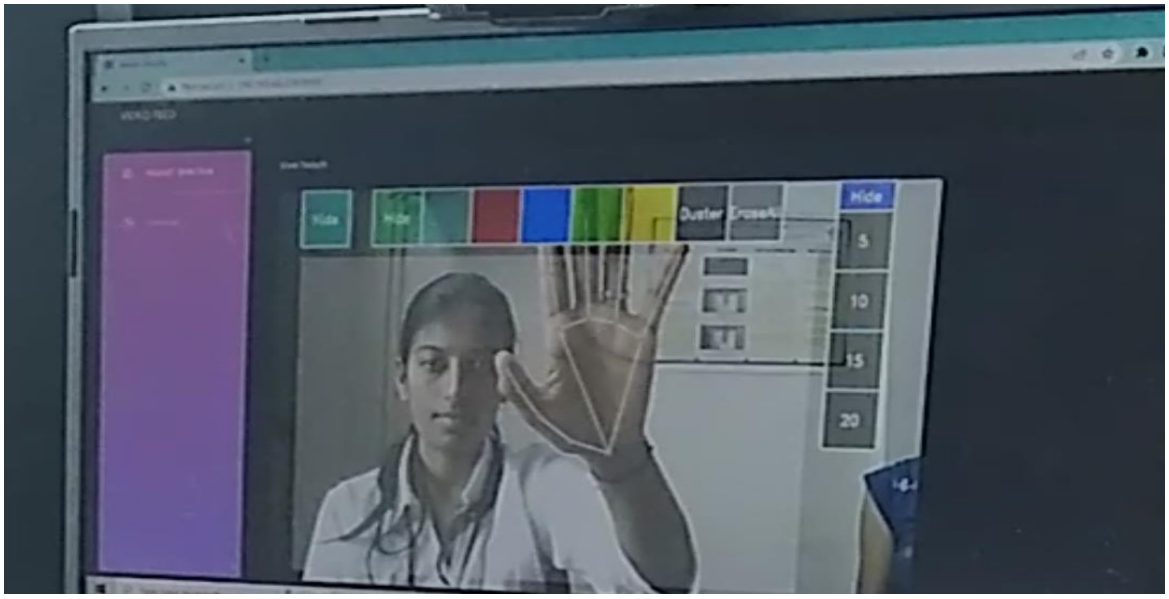
- To develop a hand gesture recognition using hand pose estimation using the camera video stream as data using deep learning.
- To implement hand point tracking system to utilize the detected gestures to write on screen for the purpose of online teaching.
- To implement different gestures for different applications while teaching such as on screen writing, erasing etc.

Results:

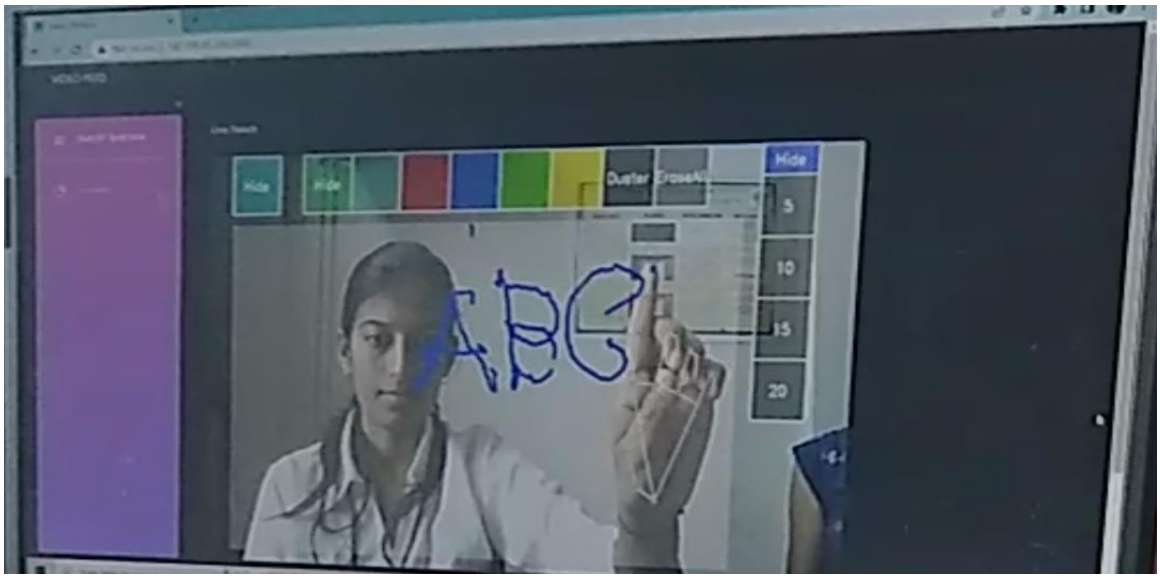
1. Generating the link to share to the students



2. Selecting writing board, pen color, font size and erasing options.



3. Writing on the screen.


Hide
Hide
Duster
Erase All
Hide
5
10
15
20
ABC