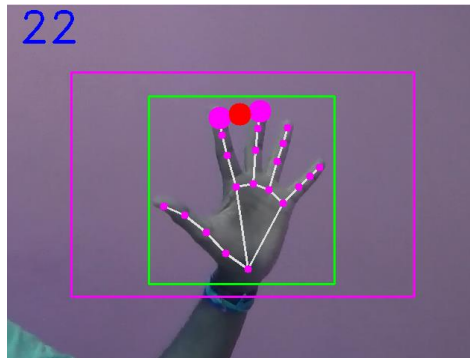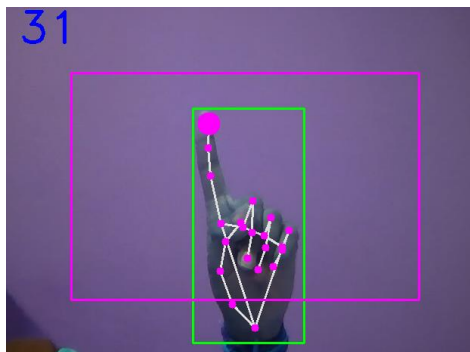# Functionalities:

A. Camera Used in the Virtual Gesture Mouse project :

Open-CV is python vision library that contains Associate in the organized AI virtual mouse system depends upon the edges that are gotten by the camera in Associate in nursing passing PC.
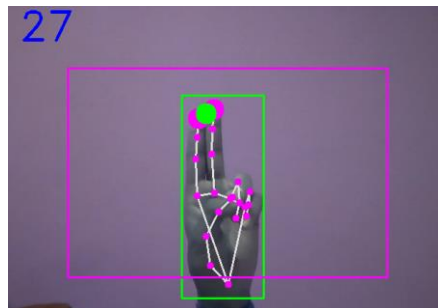

B. For the mouse to move the Cursor :

If the index finger with tip Id = 1 are up and whenever finger is moving in which direction, the computer is made to move the cursor.
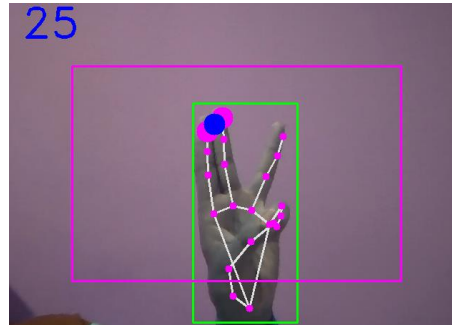

C. For the Mouse to perform Left Button Click :

If both the index finger with tip Id = 1 and the middle finger with tip Id= 1 are up and the distance between the two fingers is lesser than 40px and like both the tips gets attached, the computer is made to perform the left mouse button.
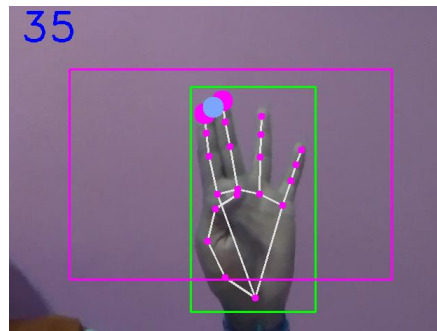
D. For the Mouse to perform Right Button Click :

If both the index finger with tip Id = 1 and the middle finger with tip Id= 1   are up and third finger with tip Id = 1 are up the distance between the two fingers is lesser than 40px and like both the tips gets attached, the computer is made to perform the right mouse button.

E. For the Mouse to perform Scroll Up :

If all the finger with index finger with tip Id = 1 and the middle finger with tip Id= 1   are up and third finger with tip Id = 1 and fourth finger with tip Id = 1 are up and the distance between the first two fingers is lesser than 40px and like both the tips gets attached, the computer is made to perform scroll up function.

F. For the Mouse to perform Scroll Down :

If all the finger with index finger with tip Id = 1 and the middle finger with tip Id= 1   are up and third finger with tip Id = 0 and fourth finger with tip Id = 1 are up and the distance between the first two fingers is lesser than 40px and like both the tips gets attached, the computer is made to perform scroll down function.