**Gesture controlled pc**

Working:-

The following are the 5 different hand gestures or actions that I’ve programmed for demonstration purpose.

**Gesture 1:** Place your hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move your hand away from the sensor. This gesture will Scroll Down the Web Page or Decrease the Volume.

**Gesture 2:** Place your hand in front of the Right Ultrasonic Sensor at a distance (between 15CM to 35CM) for a small duration and move your hand towards the sensor. This gesture will Scroll up the Web Page or Increase the Volume.

**Gesture 3:** Swipe your hand in front of the Right Ultrasonic Sensor. This gesture will move to the Next Tab.

**Gesture 4:** Swipe your hand in front of the Left Ultrasonic Sensor. This gesture will move to the Previous Tab or Play/Pause the Video.

**Gesture 5:** Swipe your hand across both the sensors (Left Sensor first). This action will Switch between Tasks.

Based on the above mentioned gesture, the following Arduino Program has been written.

Vlc

**Action 1:**When both the hands are placed up before the sensor at a particular far distance then the video in VLC player should Play/Pause.

**Action 2:**When right hand is placed up before the sensor at a particular far distance then the video should Fast Forward one step.

**Action 3:**When left hand is placed up before the sensor at a particular far distance then the video should Rewind one step.

**Action 4:**When right hand is placed up before the sensor at a particular near distance and then if moved towards the sensor the video should fast forward and if moved away the video should Rewind.

**Action 5:**When left hand is placed up before the sensor at a particular near distance and then if moved towards the sensor the volume of video should increase and if moved away the volume should Decrease.