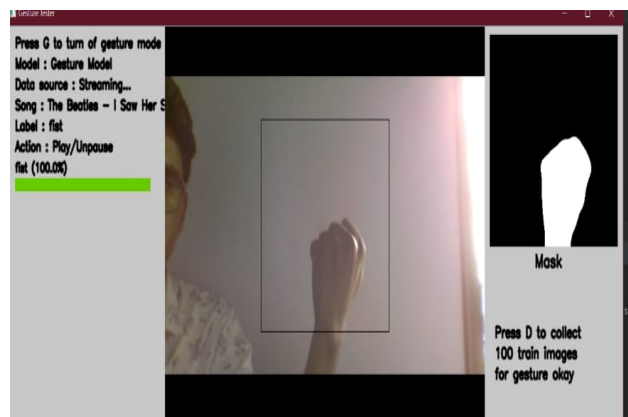# Gesture Based Input System
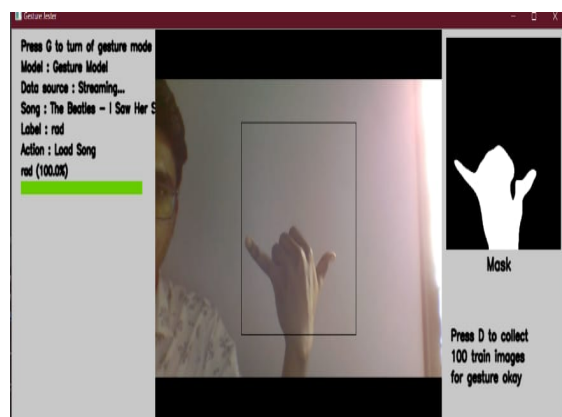## Guide: K. Srilaxmi Asst. Professor, ITD

E. Rishwanth Reddy(2451-18-737-049)
Ch. Sumanth(2451-18-737-074)
K. Nivas Teja(2451-18-737-080)

Abstract:

Gesture based input system is a new way to interact with computer system unlike traditional input devices (Keyboard and mouse). Webcam is used to recognize users hand based his/her gestures necessary sy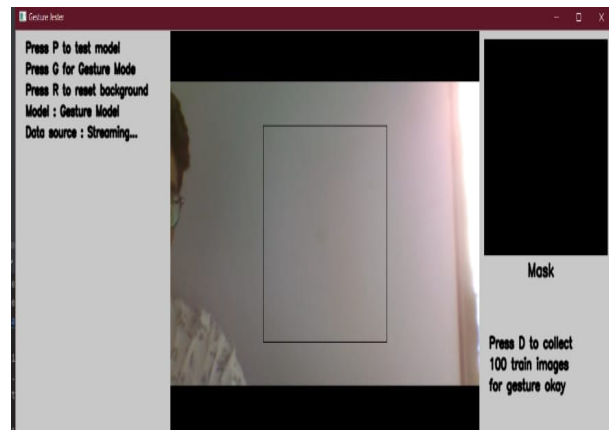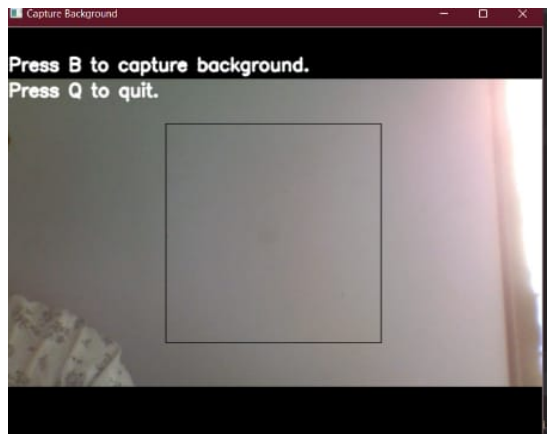stem operations are performed like play/pause music, play games, virtual keyboard etc. Gesture Based Input System recognizes hand gestures in real-time using the power of Neural Networks.

Screenshots:

Conclusion:

Through this System a user can interact with the computer easily without any traditional devices like Keyboard, Mouse and etc. future development can be made to recognize face gestures so even disabled people can easily interact with computers.

Software Specifications:

- Python 3
- Keras
- OpenCv
- Numpy

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