

### **SmartHome Gesture Application Control Project – Part 2**

In this project, a python program was built, to classify Gesture video, using supervised machine learning approach.

The program uses a pre-trained model, that is trained for alphabet gestures.

Then uses minimum cosine difference to classify the gesture.

Result:

The program achieved 15% accuracy, which is low. The low accuracy is due to several reasons:

- 1- The training set is very low. As video / images classifications are complex use case, a lot of training set is needed to get good model accuracy.
- 2- The model used here was fixed, a training model for alphabet gesture was used to classify different set of gestures.