VISION ARCADIA

RPI Automation Idea:

Idea 1:

We are using the custom model designed by us using the data we collected and the transfer learning model to perform various tasks. They include mainly controlling the appliances, light, fan etc. and wheelchair. This will be extremely helpful for the old people or who use wheelchairs as they won't need a third person for their help and can become independent. They can control anything just using gestures. This can be deployed in hospitals, old age homes or places with disabled people. The key idea is to use the fact that gestures are a huge interaction tool for people with restricted accessibility. This key idea can be implemented in various use case scenarios.

Idea 2 :

We are using the sign_lang model to convert the input gestures into respective signs. This would help the people who use sign language(mainly deaf and dumb/mute) to communicate with people who don't understand sign language. The idea is to develop a small module which can be installed in cafe's , restaurant's, counters , election polls , etc (you name it) so that people who don't even know sign language can interact with disabled people and help them out.

-NoobsLearning