1. What is the outline of your network architecture?

shallow networks = 4,596,317 parameters, 3 convolution layers, 4 inception layers, 2 dense layers

deep networks = 22,561,139 parameters, 2 convolution layers, 2 inception layers, 4 dense layers

2. Which model (shallow or deep) turned out to work better? Did you have to adjust hyper-parameters

between the two, other than network structure?

The deep network worked better than shallow network. The parameters that were tuned was the rotation

range set to 30 and horizontal filp set to true

3. What can you conclude from the validation accuracy learning curves for each of the shallow and

deep networks? How confident are you that you have created models that you can trust?

The deep networks did comparatively well than the shallow networks. But there is lot that can be done well

for getting a better validation accuracy since now based on the graphs we can see it goes all over the place.

4. Did your shallow or deep network perform better with respect to the test set?

The deep network network performed well with respect to the test set.

5. Did data augmentation improve or inhibit model performance with respect to the

validation and test sets?

Yes the data augmentation looks to make the model performance more better .