CV ASSIGNMENT 5

Q1) freezing some layers, unfreezing end layers, adding new layers for training.

Q2) adding more layers or removing some layers

Q3) softmax, relu etc can be chosen.

Q4) SGD, Adam, Adagrad etc optimisers can be used. Learning parameters can be changed, given cyclical mode, given timely decay etc. dropout can be used to strengthen model.

Q5) learning rate can have decay rate to prevent overfitting. This can be hyper tuned.

Q6) mini batch size can be changed to fine tune.

Q7) Adam, adagrad, dropout etc can be used.

Q8) number of epochs can be set. A threshold can also be set based on which training would stop if threshold is reached.

Q9) regularisation can be done through L1, L2, dropout etc.

Q10) L2 normalisation prevents overfitting and reduces computational difficulties.

Q11) by dropping out certain layers while training, each neuron gets more strengthened and better understands relations.

Q12) data augmentation can be done by flipping, cropping, scaling, translation, noise, rotationetc.