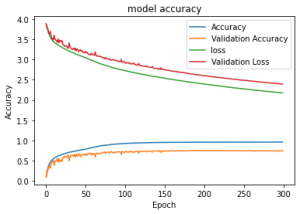
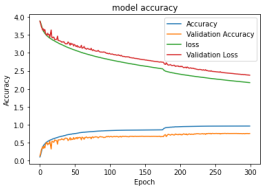
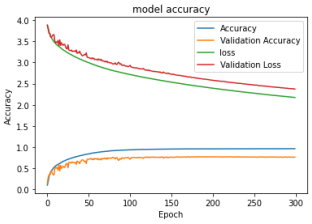
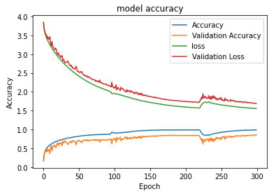
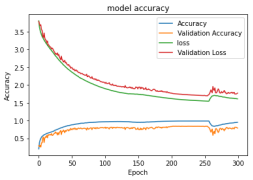
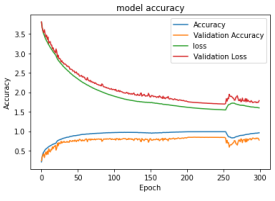
Modification 4 with 5x5 Kernel

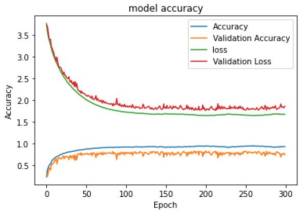
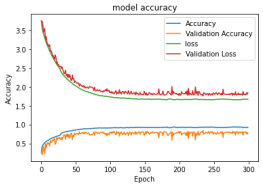
LR 0.001

Optimizer=SGD, Epochs=300, Learning_Rate=0.001, Batch_Size=128, Momentum=0.9
Run1
Epoch 300/300 50000/50000 [==============================] - 20s 402us/sample - loss: 2.1742 - accuracy: 0.9614 - val_loss: 2.3913 - val_accuracy: 0.7444 
Run2
Epoch 300/300 50000/50000 [==============================] - 21s 429us/sample - loss: 2.1732 - accuracy: 0.9648 - val_loss: 2.3795 - val_accuracy: 0.7592 
Run3
Epoch 300/300 391/391 [==============================] - 19s 48ms/step - loss: 2.1809 - accuracy: 0.9628 - val_loss: 2.3795 - val_accuracy: 0.7629 

LR 0.005

Optimizer=SGD, Epochs=300, Learning_Rate=0.005, Batch_Size=128, Momentum=0.9
Run1
Epoch 300/300 50000/50000 [==============================] - 20s 392us/sample - loss: 1.5551 - accuracy: 0.9877 - val_loss: 1.6861 - val_accuracy: 0.8560 **And highest** 
Run2
Epoch 300/300 50000/50000 [==============================] - 20s 398us/sample - loss: 1.6100 - accuracy: 0.9503 - val_loss: 1.7707 - val_accuracy: 0.7882 
Run3
Epoch 300/300 50000/50000 [==============================] - 20s 399us/sample - loss: 1.5998 - accuracy: 0.9593 - val_loss: 1.7839 - val_accuracy: 0.7731 

LR 0.01

Optimizer=SGD, Epochs=300, Learning_Rate=0.01, Batch_Size=128, Momentum=0.9
Run1
Epoch 300/300 50000/50000 [==============================] - 20s 403us/sample - loss: 1.6714 - accuracy: 0.9269 - val_loss: 1.8593 - val_accuracy: 0.7380 
Run2
Epoch 300/300 50000/50000 [==============================] - 20s 402us/sample - loss: 1.6686 - accuracy: 0.9282 - val_loss: 1.8438 - val_accuracy: 0.7517 
Run3
Epoch 300/300 50000/50000 [==============================] - 20s 390us/sample - loss: 1.6603 - accuracy: 0.9312 - val_loss: 1.7968 - val_accuracy: 0.7933