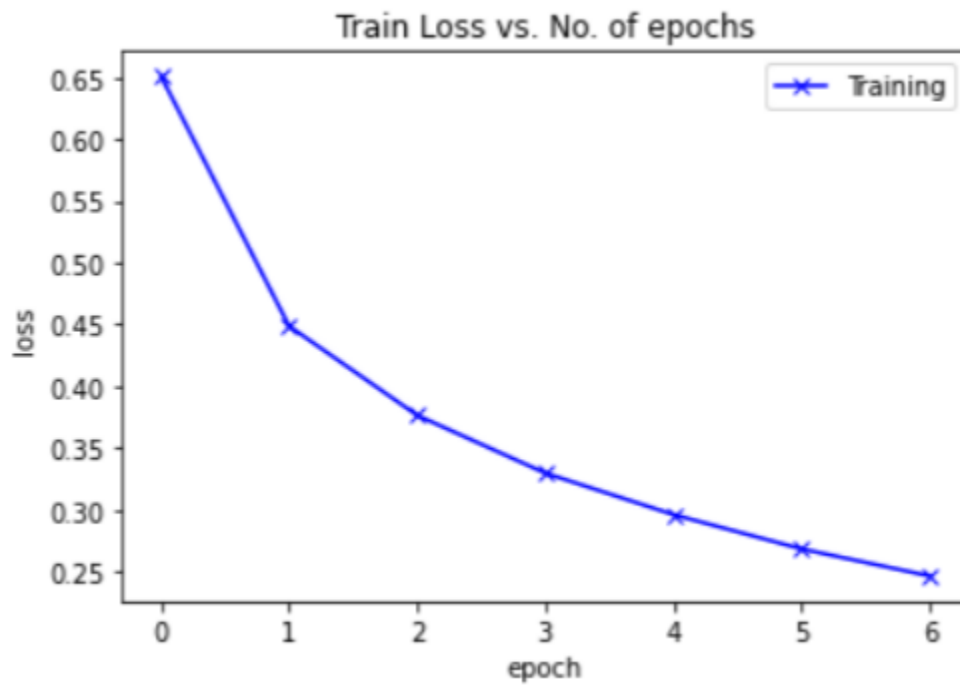
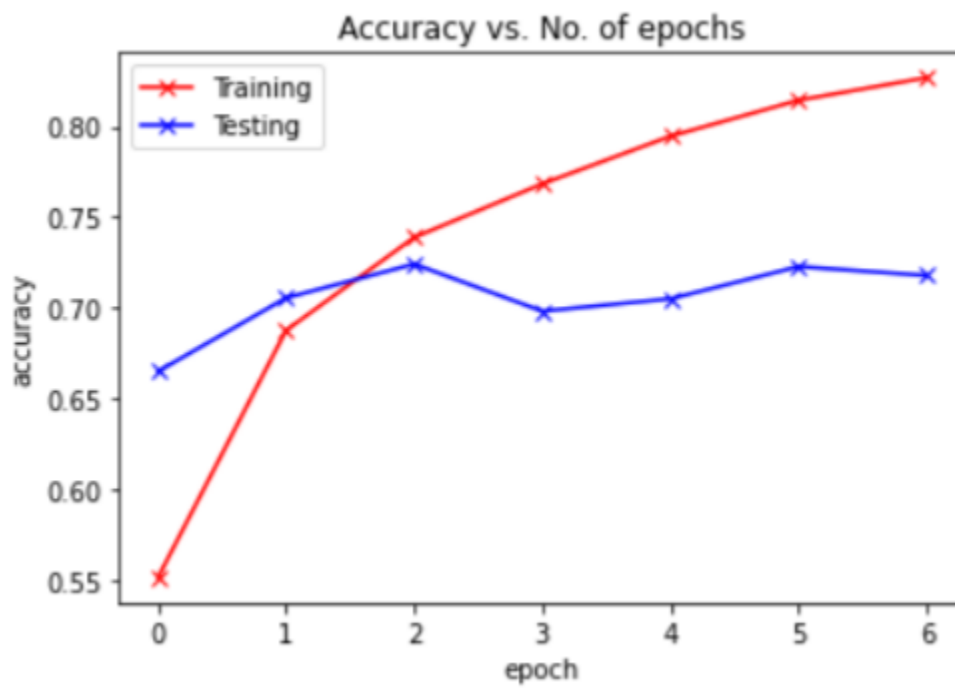


## Assignment 5

EE243 Computer Vision



✓ [26] plotTrainAccuracy

```
[0.55193037,  
0.68783754,  
0.7389678,  
0.7684337,  
0.7946189,  
0.81438285,  
0.8268254]
```

✓ [25] plotTrainLoss

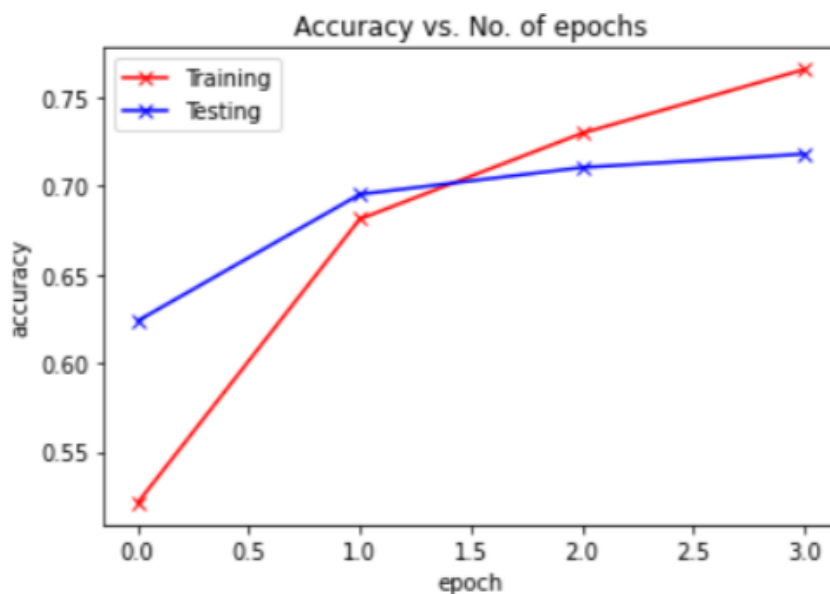
```
[0.651157888937328,  
0.44869541033769333,  
0.3763721469992142,  
0.3295670505039205,  
0.29594589472072996,  
0.26814039246601884,  
0.24624895982794906]
```

✓ [24] plotTestAccuracy

```
[0.66526526, 0.7057057, 0.72432435, 0.6983984, 0.7052052, 0.7229229, 0.718018]
```

From the graph we see that they start to diverge – sign of overfitting.

So increased dropout percentage to stop overfitting. Limited the number of epochs too.



As per the given information in question, "A 4 layer network should be able to obtain at least an accuracy of 65% on the test set", I think the model exhibits a good fitting. Because, there is no high training and high testing error, so the model is not underfit. And there is no low training error and high testing error, so it is not overfitted either.

MAT files – 4 epochs – each 5000 values (batch size -10) => so shape (1, 20000)