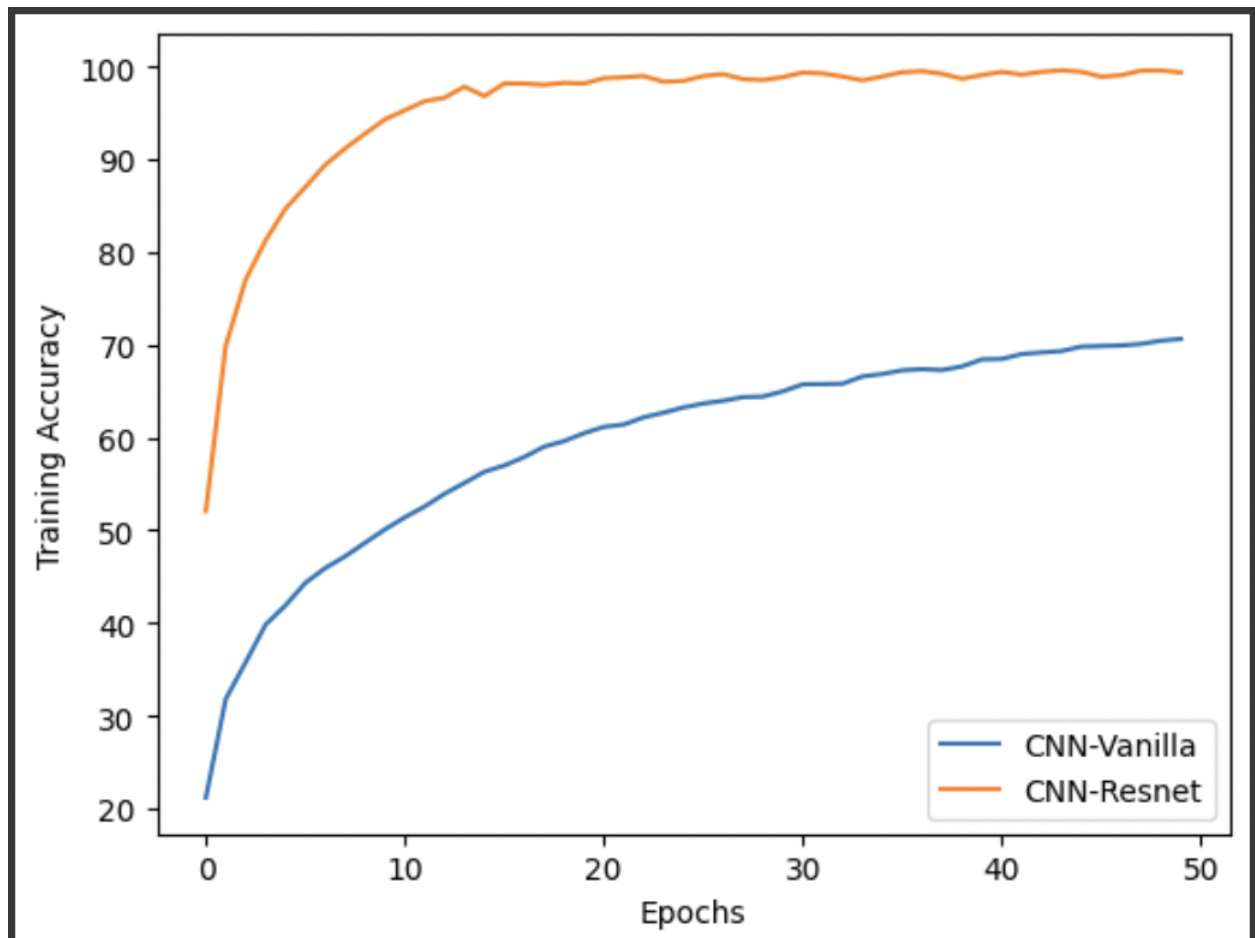


## Experiment 1: A plot of training accuracy vs epochs for CNN-Vanilla and CNN-Resnet

(similar to the plot in the CNN Tutorial). Also, mention the best choice among the two.



Test Accuracy of **Vanilla**: **69.33%**

Test Accuracy of **ResNet**: **81.11%**

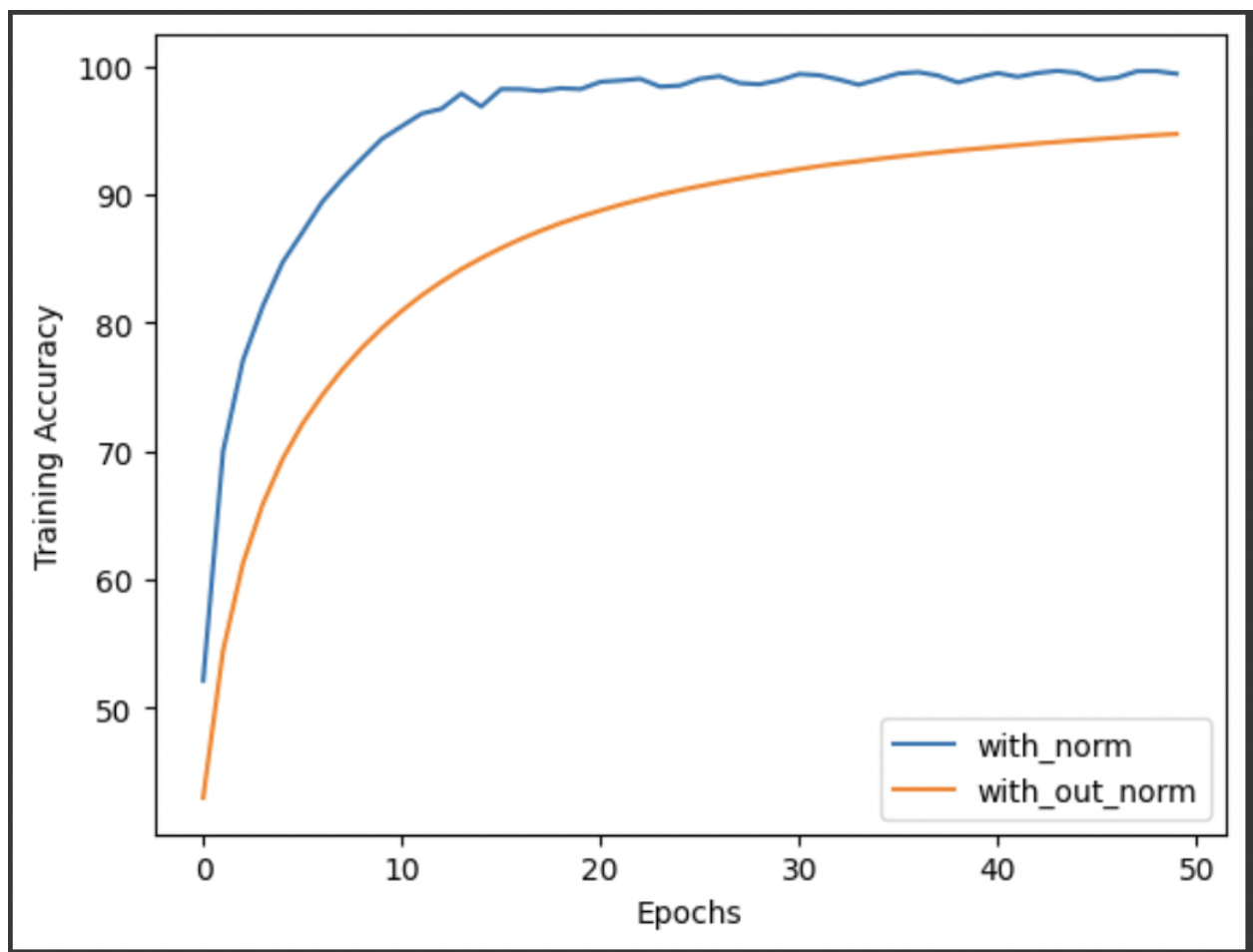
From above we conclude that ResNet Is better choice

### No. of parameter in models

No. of parameter in vanilla model is **72730**

No. of parameter in ResNet model is **1084586**

**Experiment 2: A plot of training accuracy vs epochs for the two cases of data normalization. Also, mention the best choice among the two.**



Test accuracy with norm: 81.11

Test accuracy without norm: 81.48

From plot we conclude that training is easier in with\_norm as it saturate with less no. of epochs and also it generalize well on test set as both of them has very much similar values

