

Experiment Number	Model	Result	Decision + Explanation
1.	Conv3D	Error in generator function while deciding no of batches	Random selection of folder list is taken so there is no chance of model to learn beforehand.
2.	Conv3D	Error due to different size of images	The images are resized before fitting in the model.
3.	Conv3D	Out of memory error	Set batch size as 1000
4.	Conv3D	Model not trainable as a lot of parameters	Reduce the size of the image and no. of layers
5.	Conv3D Epoch = 20 Batch size = 100	Train Accuracy:0.50 Val acc:0.18	Model is underfitting and it is very poor.
6.	Conv3D Epoch = 20 Batch size = 50	Train Accuracy:0.63 Val acc:0.28	Model is not giving desired validation accuracy
7.	Conv3D Epoch = 30 Batch size = 32	Train Accuracy:0.81 Val acc:0.30	Model is performing considerably good on train but fails in test data.
Final Model	Conv3D Epoch = 30 Batch size = 32	Train Accuracy:0.99 Val acc:0.93	Model is performing exceptionally good. The learning rate was reduced so that model would learn slow and the global minima of loss function could be achieved.