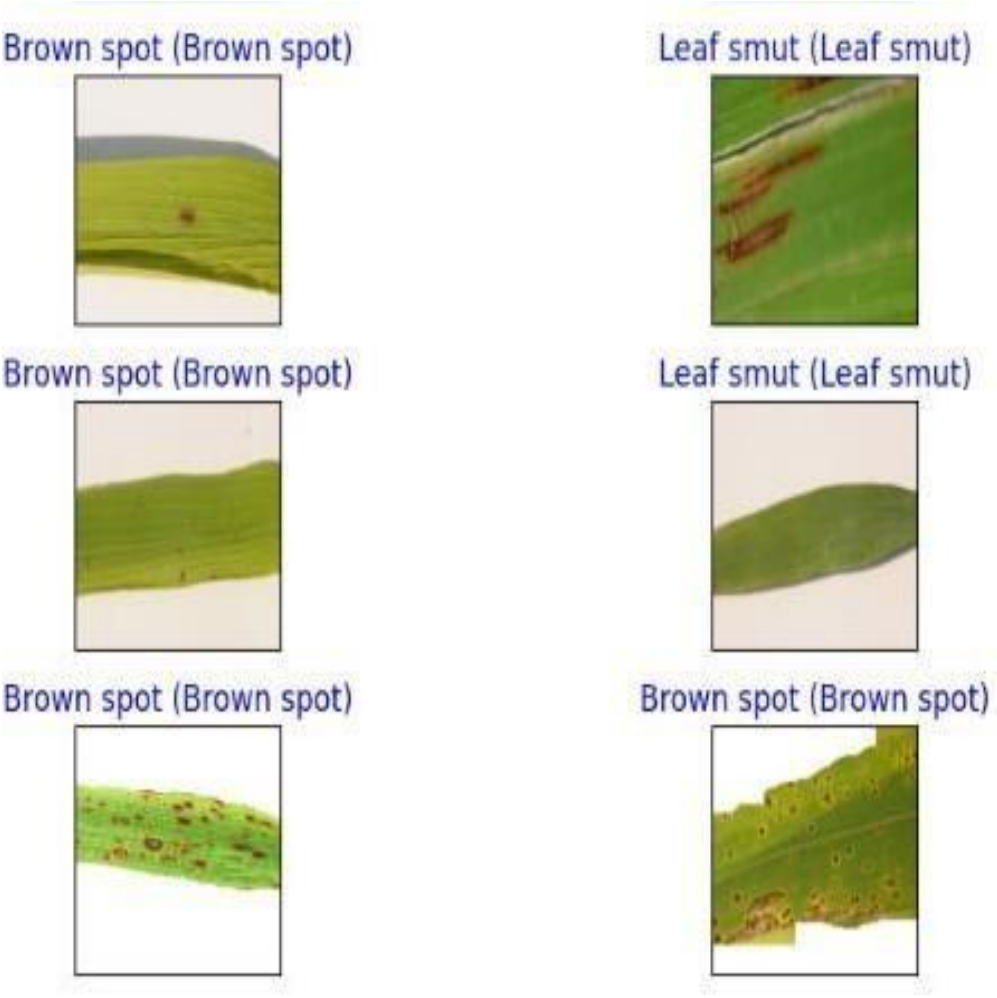
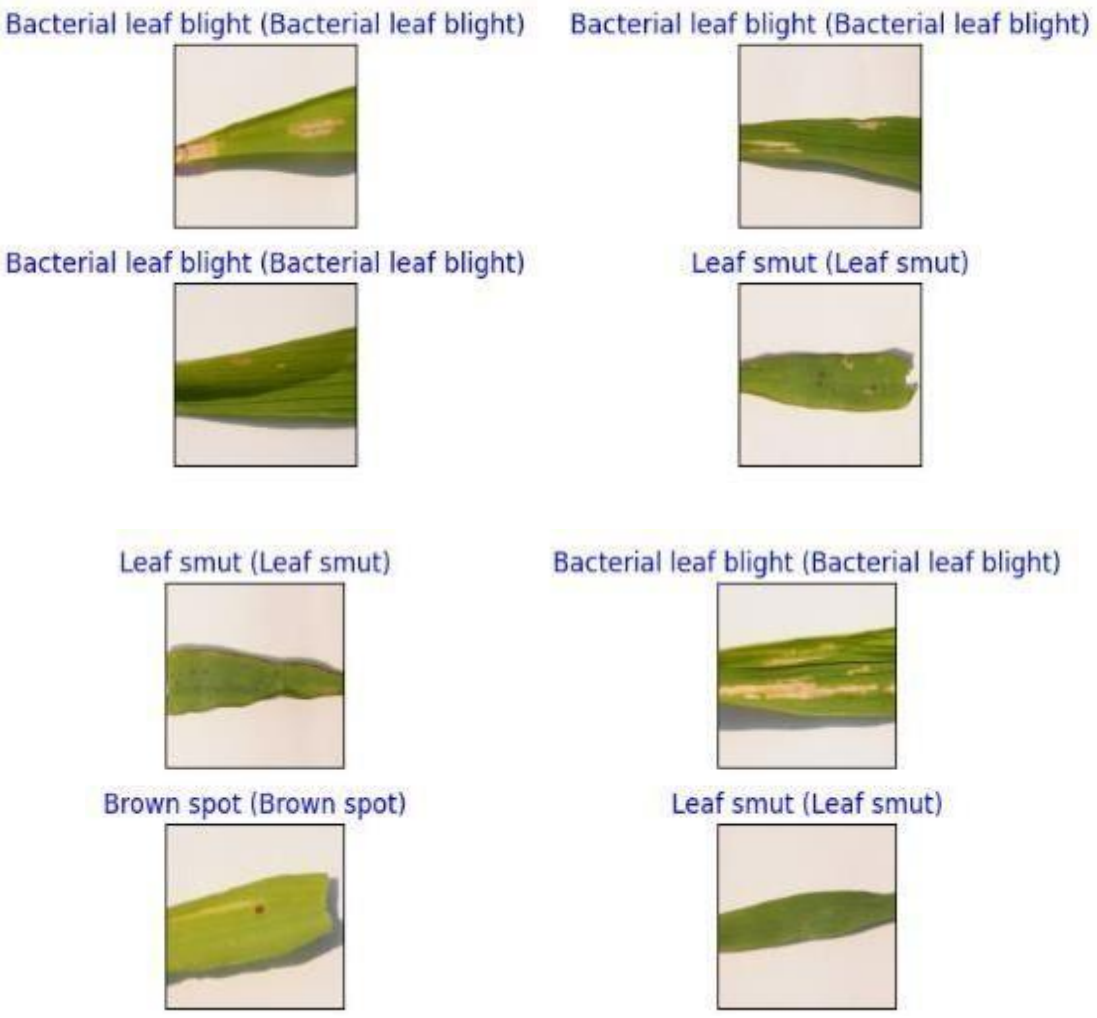
RESULT AND ANALYSIS

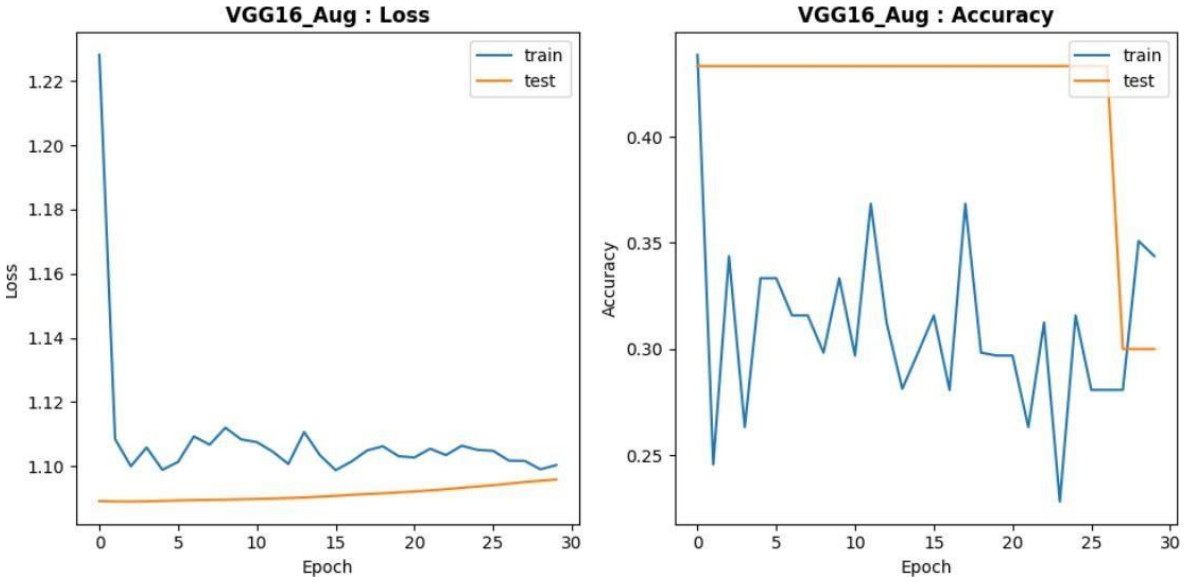
Disease Prediction



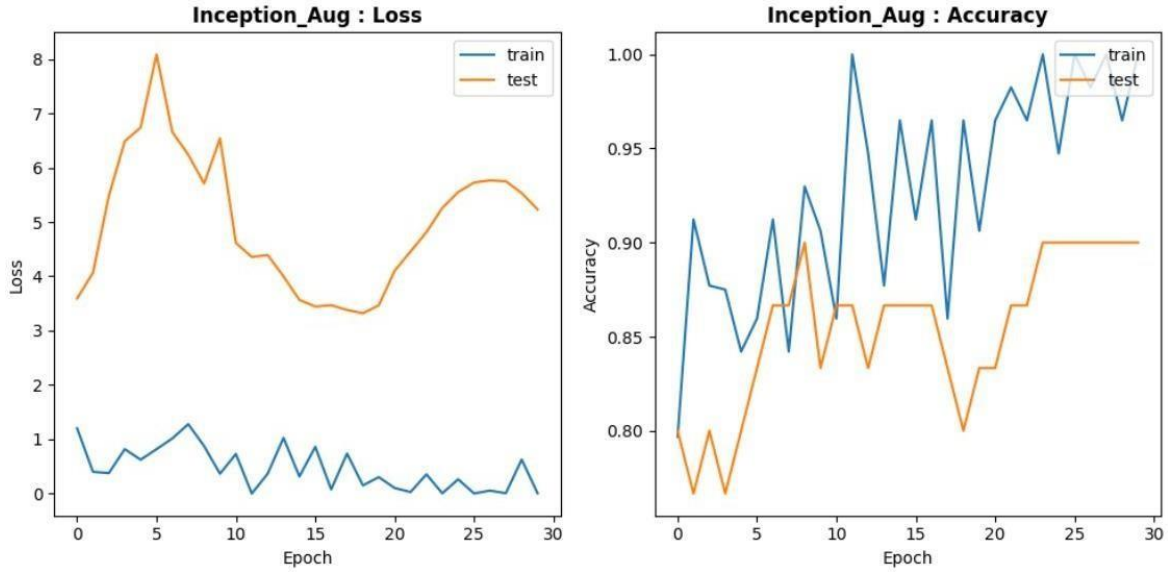
Disease Prediction



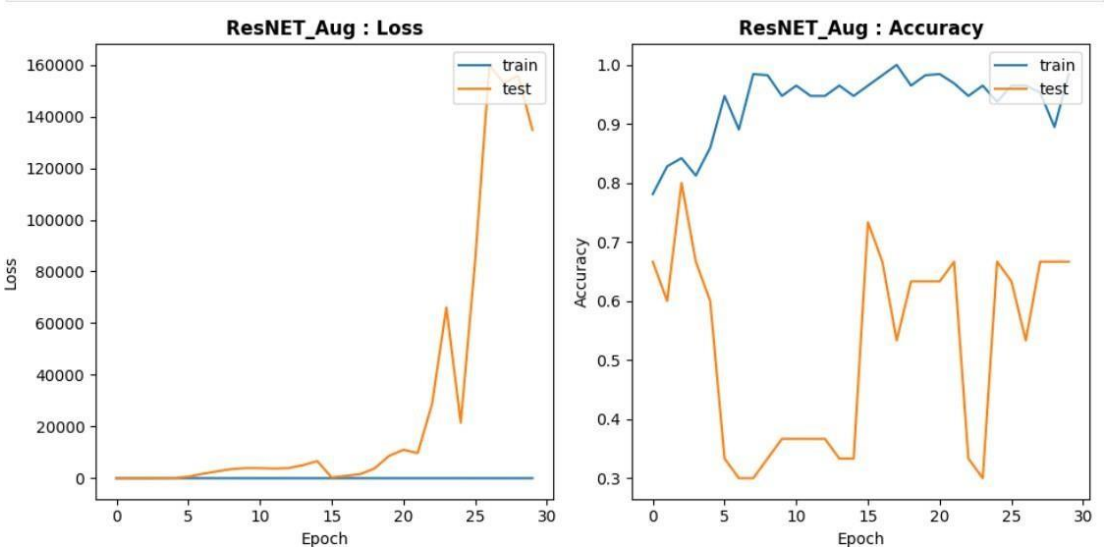
Disease Prediction



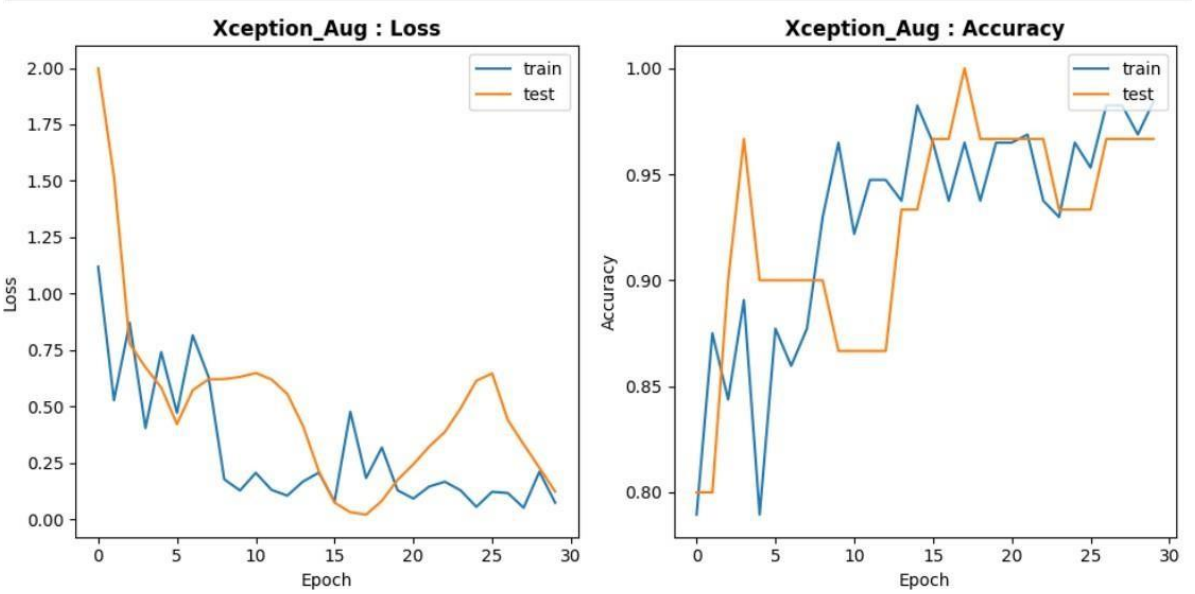
VGG16



Inception

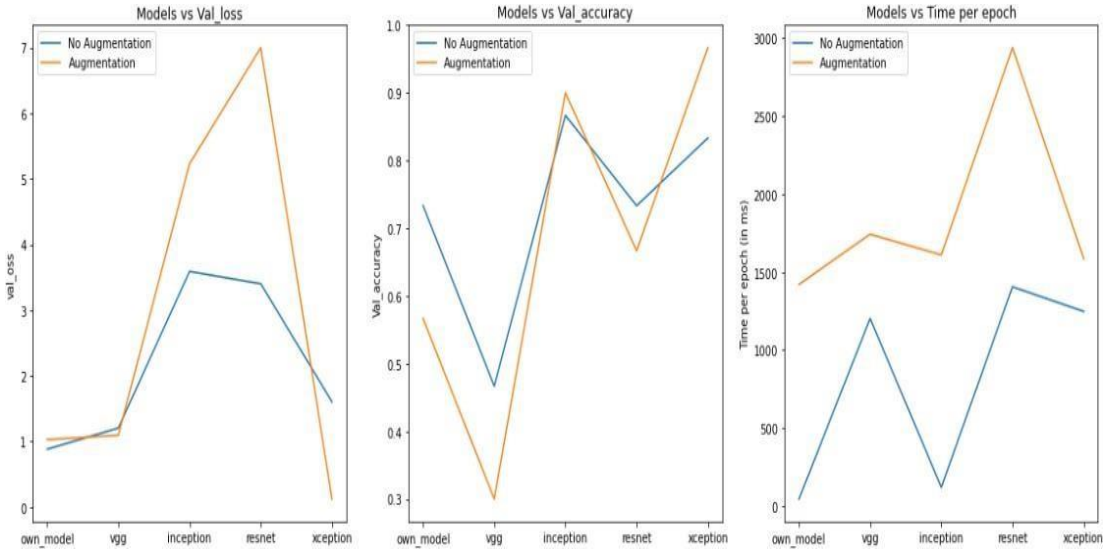


ResNET



Xception

COMPARISON AND ANALYSIS



Model Comparison

COMPARISON TABLE

	model	loss	val_loss	acc	val_acc	time_ms	loss_aug	val_loss_aug	acc_aug	val_acc_aug	time_ms_aug
0	own_model	1.240000e-02	0.8823	1.0000	0.7333	46	0.9281	1.0283	0.5938	0.5667	1421
1	vgg	8.181000e-01	1.2051	0.5618	0.4667	1203	1.1003	1.0958	0.3438	0.3000	1743
2	inception	1.070000e-05	3.5910	1.0000	0.8667	121	0.0061	5.2316	1.0000	0.9000	1610
3	resnet	3.240000e-07	3.4033	1.0000	0.7333	1406	0.1117	7.0000	0.9844	0.6667	2938
4	xception	2.963000e-01	1.6047	0.9438	0.8333	1248	0.0735	0.1231	0.9844	0.9667	1586

Comparison Table

- The own model, inception and resnet models have higher validationloss on Augmented data than normal data.
- The Inception and Xception models haver higher validation accuracyon augmented data than on normal data.
- The "own_model" has the lowest loss and whereas "xception" modelhas the lowest validation loss and the highest validation accuracy on augmented data.
- Xception is best performing model whereas 'VGG' is worst performing model on this dataset