

EfficientNetB0

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.98%	99.98%	99.98%
Testing Accuracy		99.01%	99.26%	99.50%
Macro Avg.	Precision	99.41%	99.56%	99.68%
	Recall	97.62%	98.17%	99.21%
	F1 Score	98.45%	98.83%	99.44%
BFlops		4207080		
Inference Time		0.047 Second	0.046 Second	0.047 Second
Size of Model		18 MB		

Classification Report & Confusion Matrix

5 Epochs

For Training(EfficientNetB0)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1984
2	1.00	1.00	1.00	431
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 853  0  0  0] [  0 1983  1  0] [  0  0 431  0] [  0  0  0 838]]				
For Testing(EfficientNetB0)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.98	1.00	0.99	165
2	1.00	0.90	0.95	42
3	1.00	1.00	1.00	50
accuracy			0.99	403
macro avg	0.99	0.98	0.98	403
weighted avg	0.99	0.99	0.99	403
[[146  0  0  0] [  0 165  0  0] [  0  4 38  0] [  0  0  0 50]]				

10 Epochs

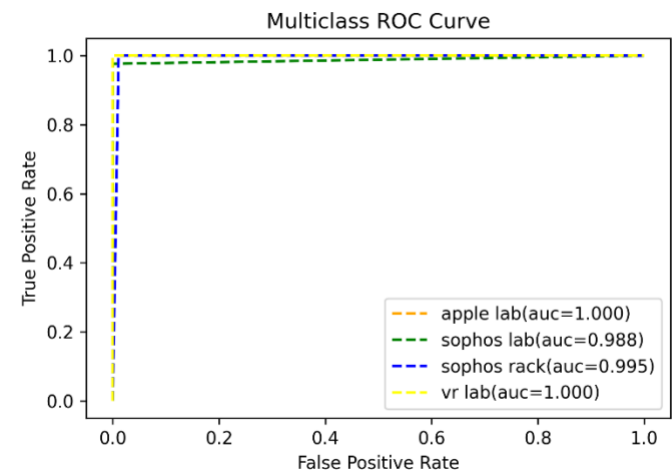
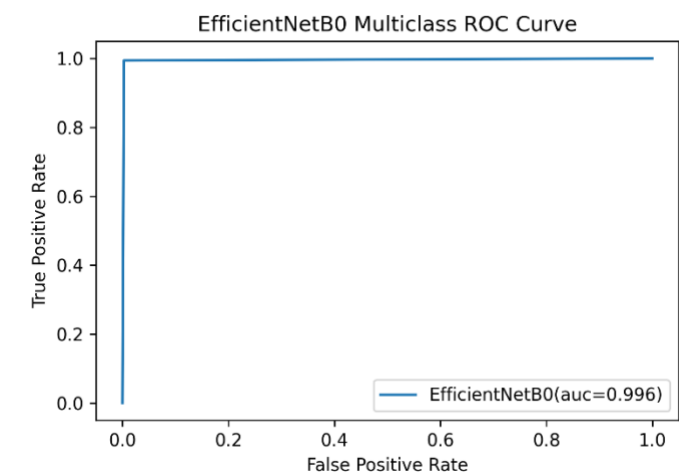
For Training(EfficientNetB0)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	854
1	1.00	1.00	1.00	1983
2	1.00	1.00	1.00	432
3	1.00	1.00	1.00	837
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 853  0  0  1] [  0 1983  0  0] [  0  0 432  0] [  0  0  0 837]]				
For Testing(EfficientNetB0)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.98	1.00	0.99	166
2	1.00	0.93	0.96	41
3	1.00	1.00	1.00	50
accuracy			0.99	403
macro avg	1.00	0.98	0.99	403
weighted avg	0.99	0.99	0.99	403
[[146  0  0  0] [  0 166  0  0] [  0  3 38  0] [  0  0  0 50]]				

15 Epochs

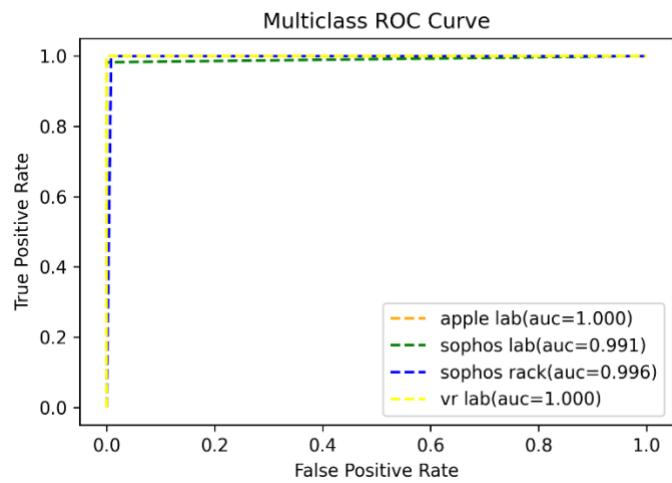
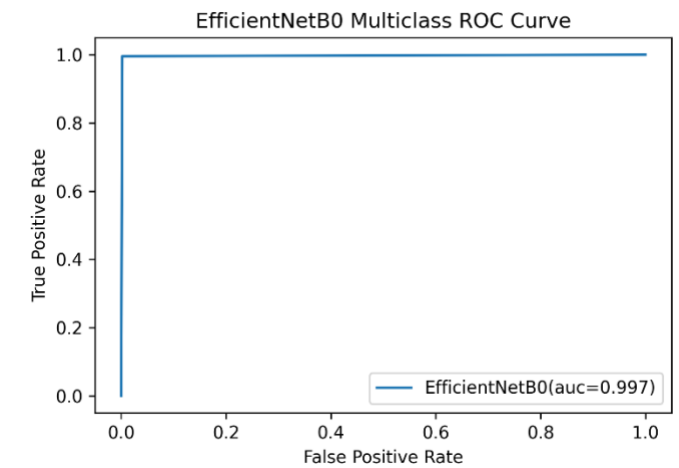
For Training(EfficientNetB0)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1984
2	1.00	1.00	1.00	431
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 853  0  0  0] [  0 1983  1  0] [  0  0 431  0] [  0  0  0 838]]				
For Testing(EfficientNetB0)				
	precision	recall	f1-score	support
0	0.99	1.00	1.00	145
1	0.99	0.99	0.99	169
2	1.00	0.97	0.99	39
3	1.00	1.00	1.00	50
accuracy			1.00	403
macro avg	1.00	0.99	0.99	403
weighted avg	1.00	1.00	1.00	403
[[145  0  0  0] [  1 168  0  0] [  0  1 38  0] [  0  0  0 50]]				

ROC Curve

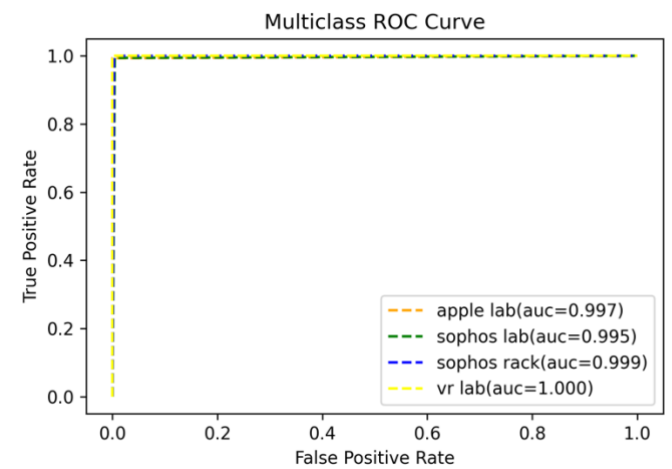
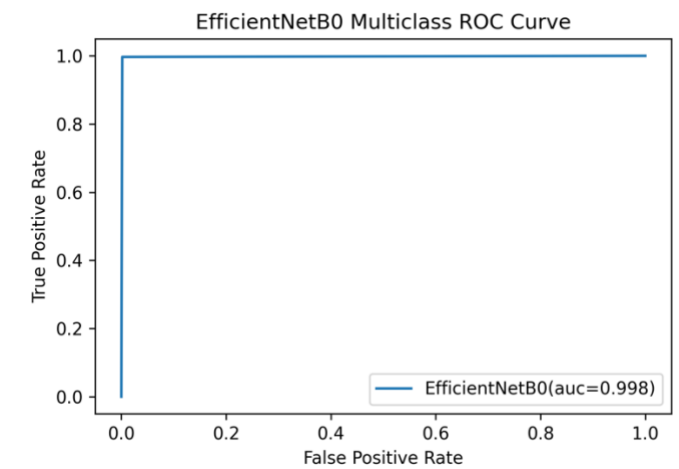
5 Epochs



10 Epochs

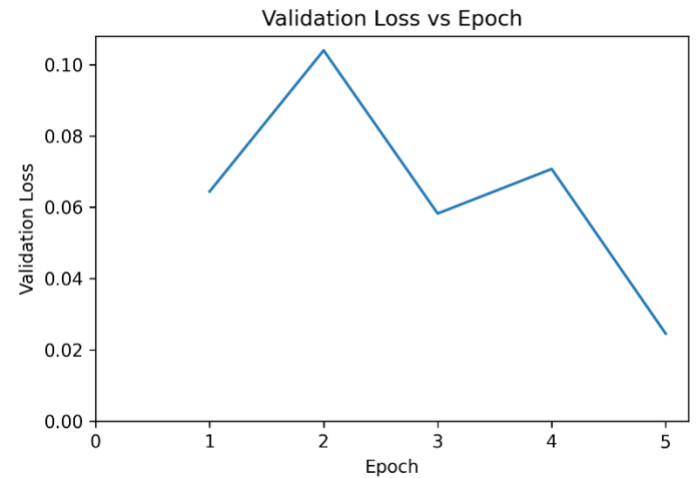
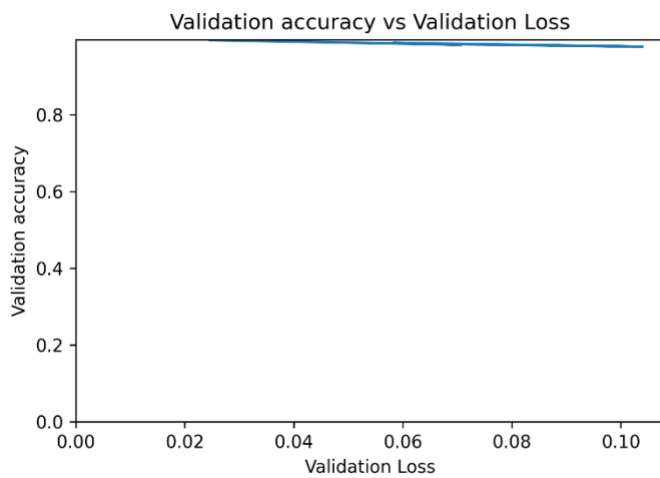
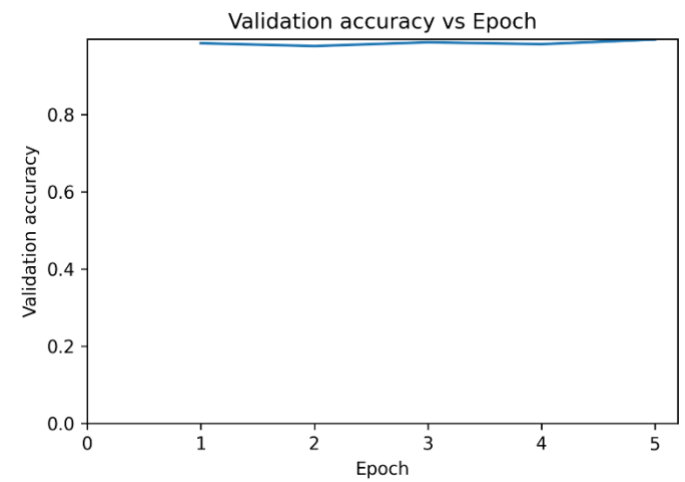
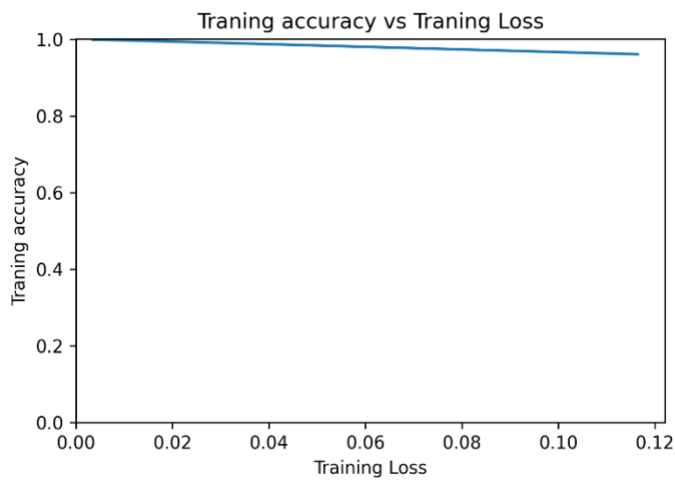
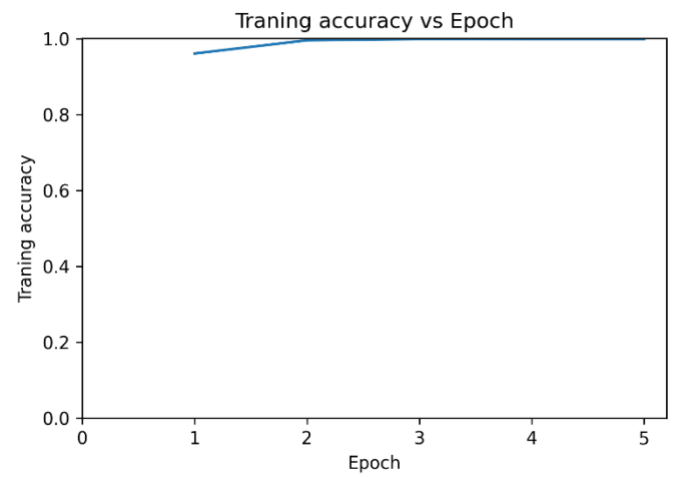
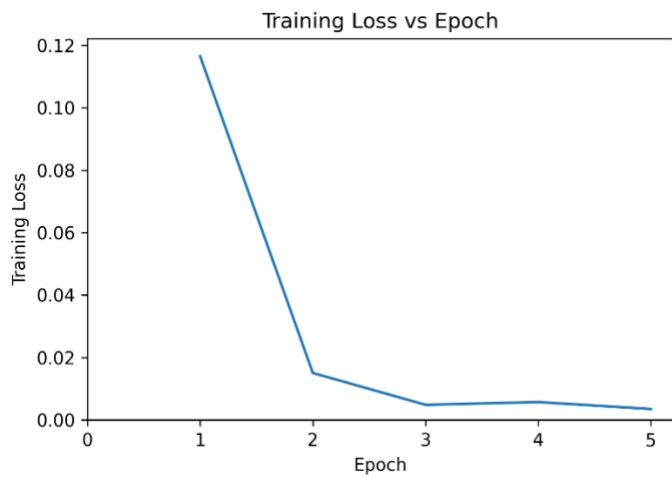


15 Epochs

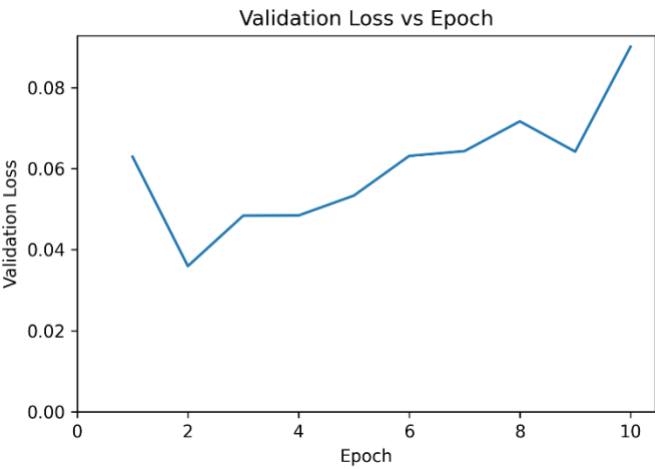
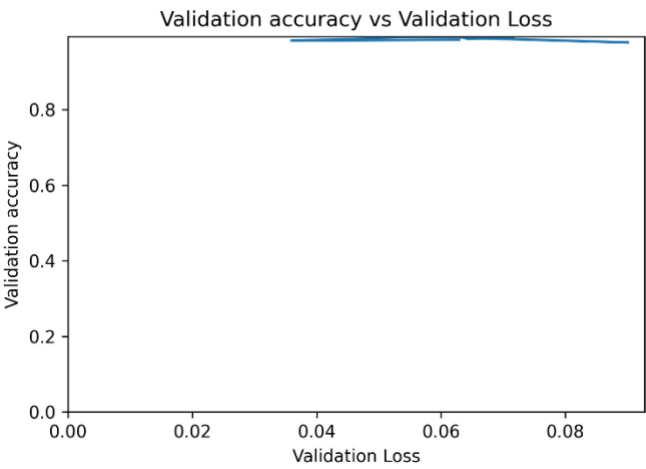
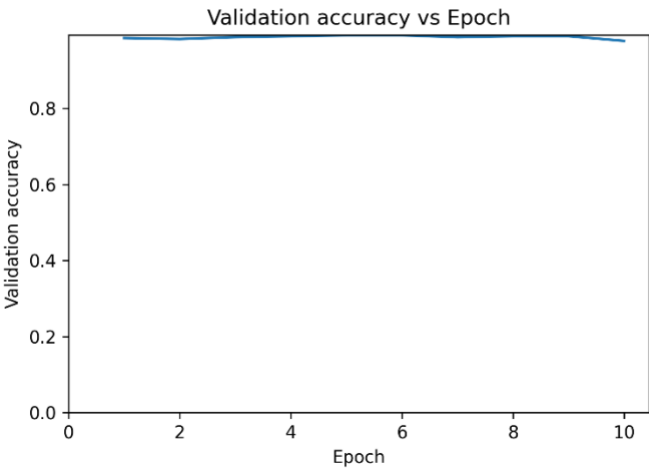
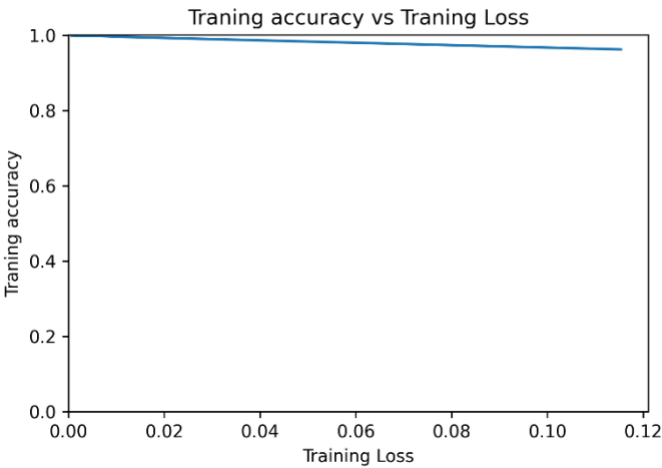
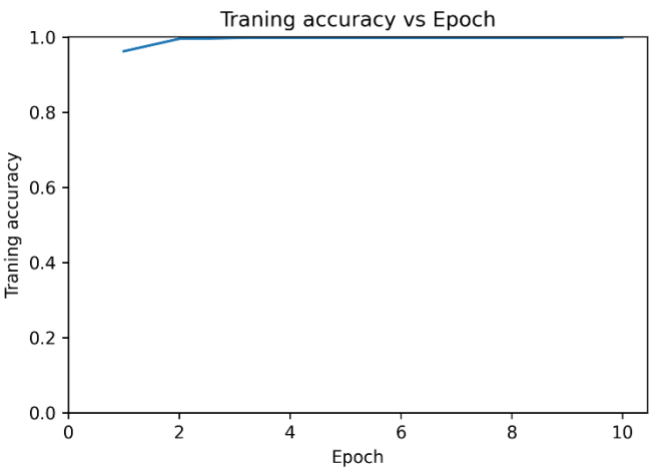
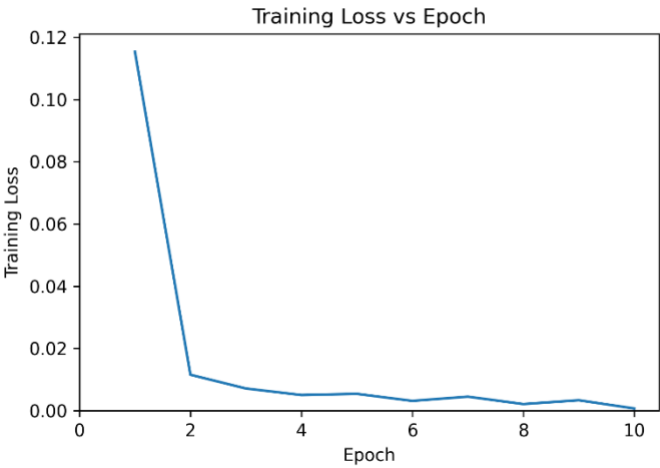


## Graphs

### 5 Epochs



# 10 Epochs



# 15 Epochs

