# OCT Tehran Result

## VGG Model:

### Classification:

precision recall f1-score support

AMD 0.99 0.94 0.97 254

DME 0.96 0.99 0.97 173

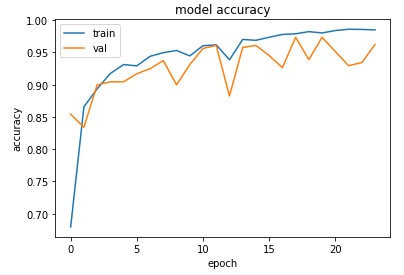
NORMAL 0.97 1.00 0.98 212

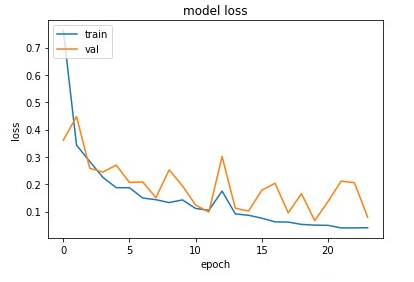
accuracy 0.97 639

macro avg 0.97 0.98 0.97 639

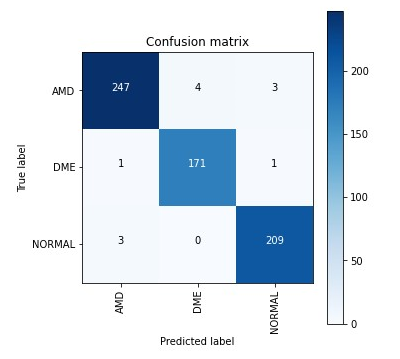
weighted avg 0.97 0.97 0.97 639

### Accuracy and Loss Curve:

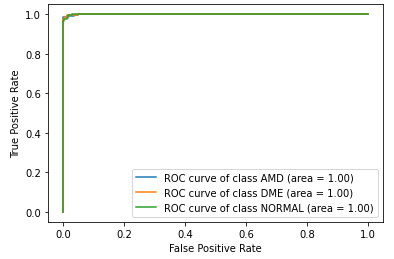




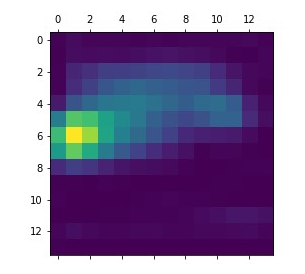
### Confusion Matrix:



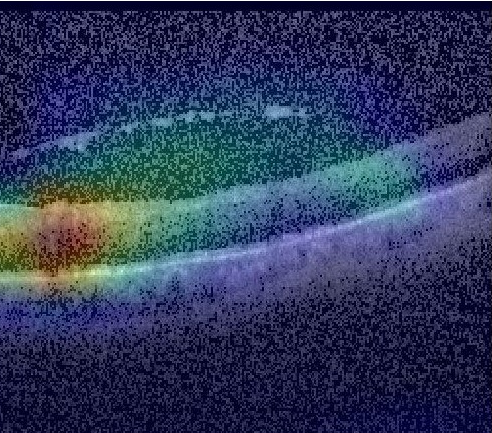
### ROC:



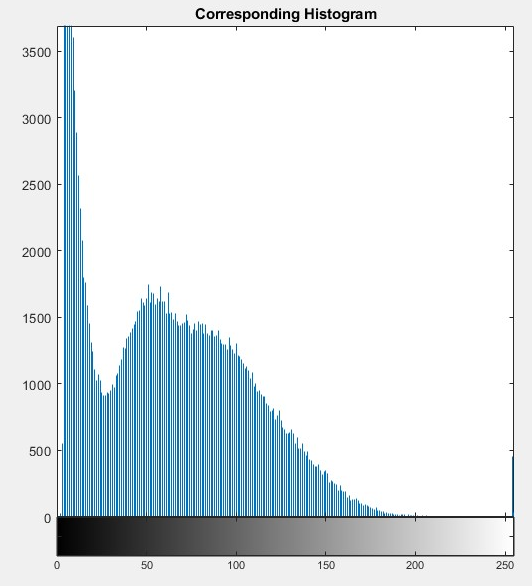
### Heatmap:



### Grandcam:



### Histogram:



## Incresnet:

### Classification:

precision recall f1-score support

AMD 0.97 0.93 0.95 254

DME 0.97 0.89 0.93 173

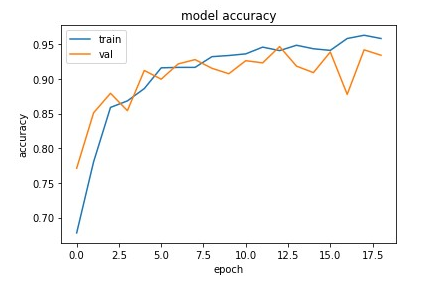
NORMAL 0.89 0.99 0.93 212

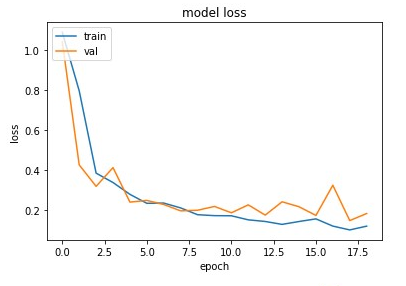
accuracy 0.94 639

macro avg 0.94 0.94 0.94 639

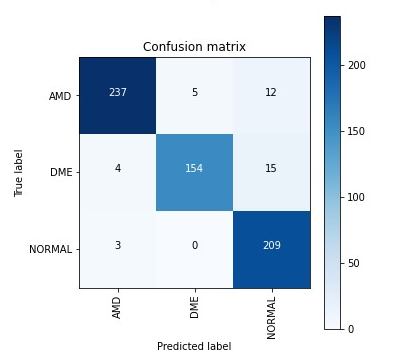
weighted avg 0.94 0.94 0.94 639

### Accuracy and Loss Curve:

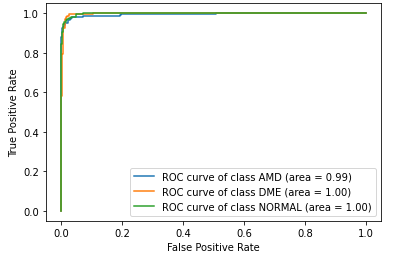




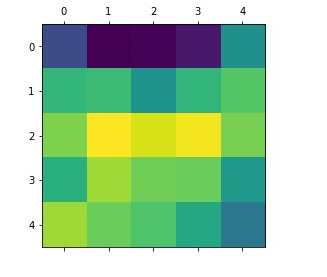
### Confusion Matrix:



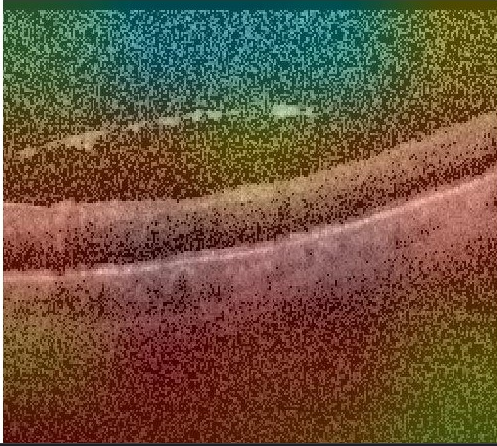
### ROC:



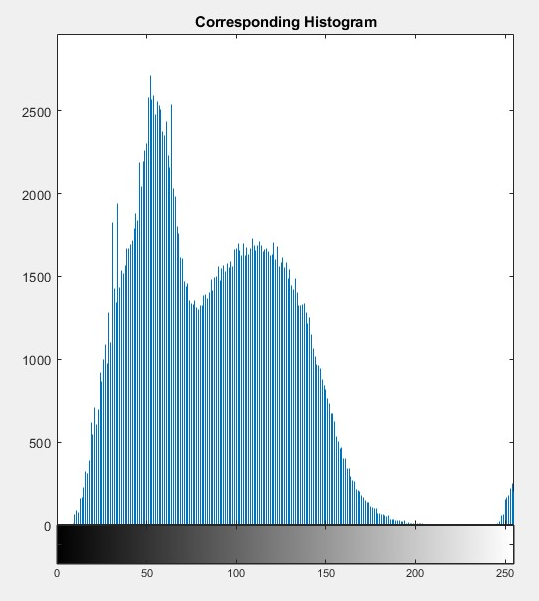
### Heatmap



### Gradcam:



### Histogram:



## Custom Model:

### Classification:

precision recall f1-score support

AMD 0.97 0.96 0.96 254

DME 0.95 0.99 0.97 157

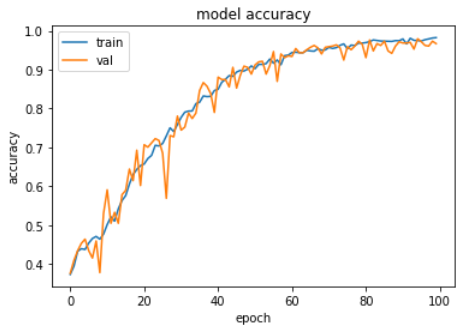
NORMAL 0.97 0.96 0.96 228

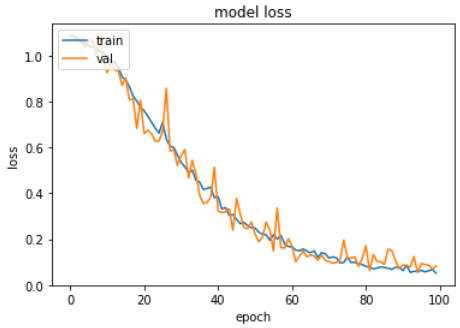
accuracy 0.96 639

macro avg 0.96 0.97 0.96 639

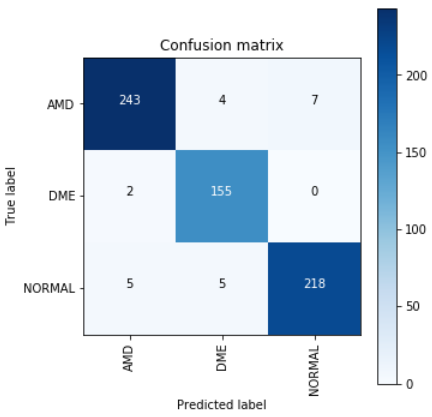
weighted avg 0.96 0.96 0.96 639

### Accuracy and Loss Curve:

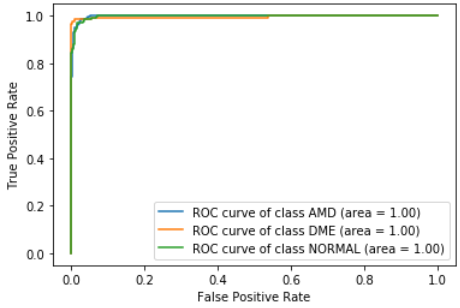




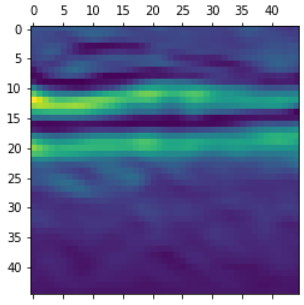
### Confusion Matrix:

A

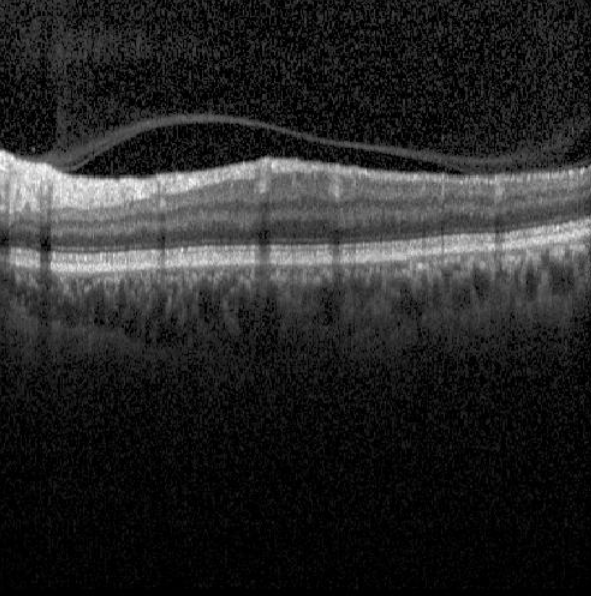
### ROC:



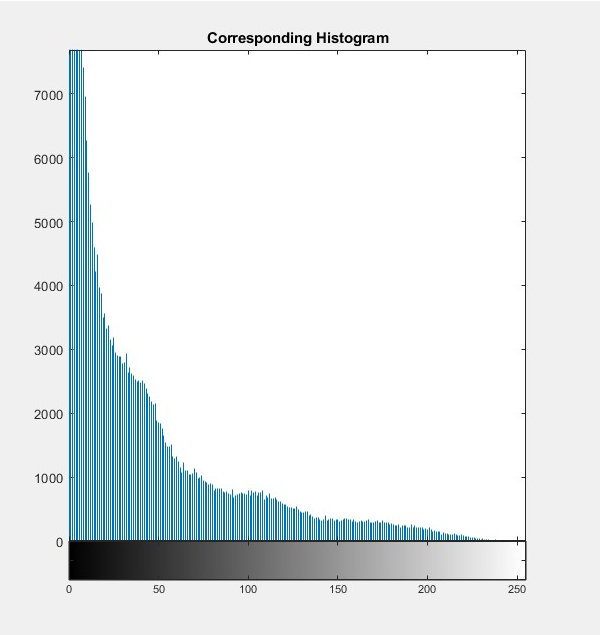
### Heatmap:

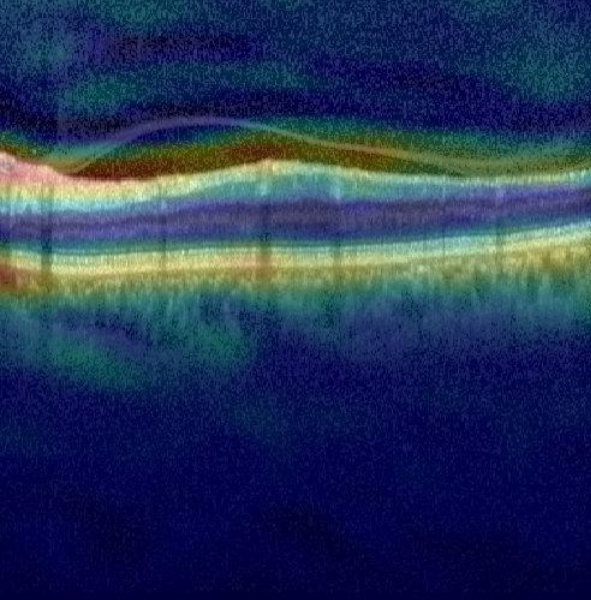


### Grandcam:

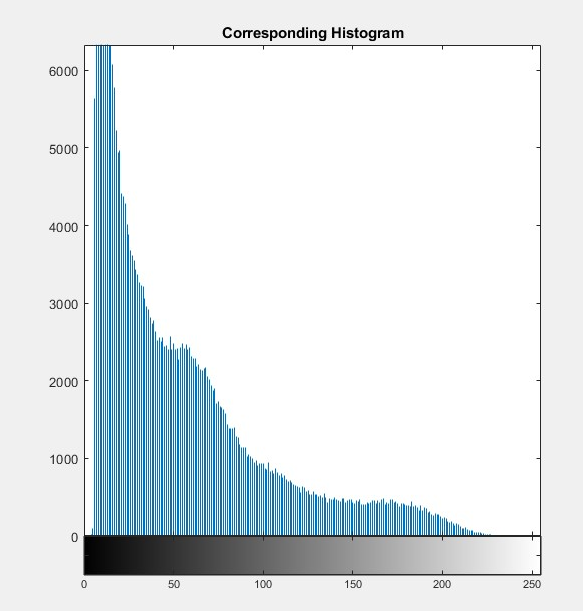


Histogram:





### Histogram:



## Inception Model:

### Classification:

precision recall f1-score support

AMD 0.96 0.96 0.96 254

DME 0.94 0.97 0.95 173

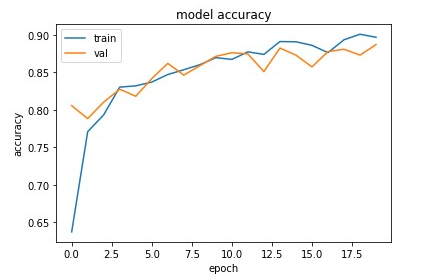
NORMAL 0.97 0.95 0.96 212

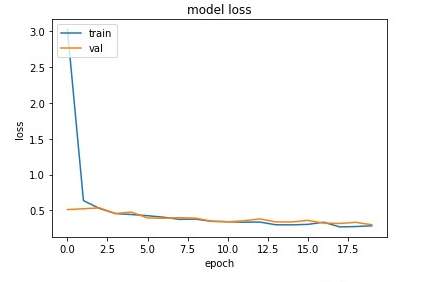
accuracy 0.96 639

macro avg 0.96 0.96 0.96 639

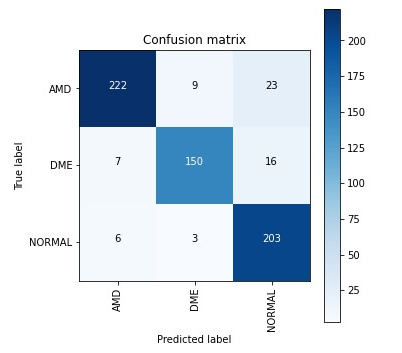
weighted avg 0.96 0.96 0.96 639

### Accuracy and loss curve:

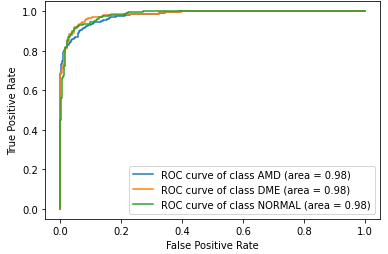




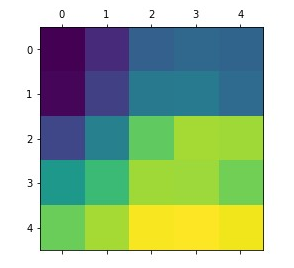
### Confusion Matrix:



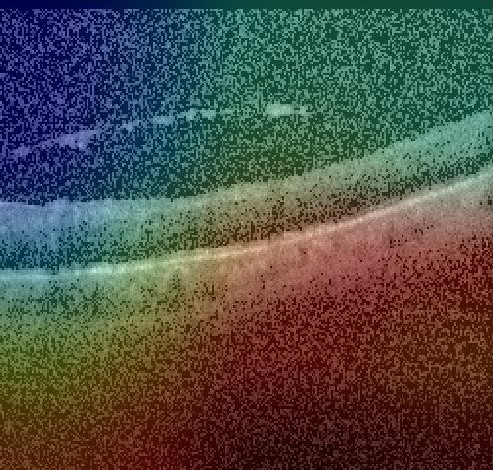
### ROC:



### Heatmap:



### Gradcam:



### Histogram:

