Steps:
1. Download and extract the zip file named "COVID19_PNEUMONIA_DETECTOR"
2. Open the two python programs "covid19_ai_diagnoser.py" and "covid19_ai_diagnoser_optimal_model_architecture" in any python id. We have used Spyder.
3. Run "covid19_ai_diagnoser.py" and you should see the desired results and figures like given below.
4. JPG version of confusion metrics are saved under the name "covid19PneumoniaCM.jpg" and "pneumoniaCM.jpg"

```
CONFUSION MATRIX FORMAT ------------------

[true positives    false positives]
[false negatives    true negatives]


CONFUSION MATRIX ------------------
[[191   1]
 [ 31  91]]

TEST METRICS --------------------
Accuracy: 89.80891719745223%
Precision: 98.91304347826086%
Recall/Sensitivity: 74.59016393442623%
Specificity 99.47916666666666%
F1-score: 85.04672897196261
```