﻿FCGAN 20 epochs

Out[64]: <keras.callbacks.callbacks.History at 0x7f7d72427c88>

predictions = dnn\_model.predict(X\_test)

rounded = [round(x[0]) for x in predictions]

pred\_train\_prob = predictions

metrics(Y\_test, rounded, pred\_train\_prob)

0.7718549168060569

Prediction:

Accuracy: 0.7718549168060569

Sepcificity: 0.8291150288008379

Sensitivity: 0.7135879218472468

MCC: 0.5466494907100254

Fscore: 0.7561285465581329

AUC: 0.8600147476597673

confusion matrix:[[9500 1958]

[3225 8035]]

Classification report: precision recall f1-score support

0 0.75 0.83 0.79 11458

1 0.80 0.71 0.76 11260

accuracy 0.77 22718

macro avg 0.78 0.77 0.77 22718

weighted avg 0.78 0.77 0.77 22718

Out[68]: 0.7718549168060569

A picture containing graphical user interface

Description automatically generated

Chart, line chart

Description automatically generated