21BAI10096 Varun Joshi
21BAI10009 Aashutosh Singh
21BAI10073 Hardik Sharma
21BAI10224 Shikhar Saxena

Output-:

```
Epoch 00004: val_accuracy did not improve from 0.50000
Epoch 5/10
50/50 [==============================] - 4s 75ms/step - loss: 0.6916 - accuracy: 0.5500 - auc: 0.5509 - precision: 0.6019 - r
ecall: 0.5586 - val_loss: 0.6990 - val_accuracy: 0.5000 - val_auc: 0.1450 - val_precision: 0.5000 - val_recall: 1.0000

Epoch 00005: val_accuracy did not improve from 0.50000
Epoch 6/10
50/50 [==============================] - 4s 71ms/step - loss: 0.6941 - accuracy: 0.5550 - auc: 0.5513 - precision: 0.5340 - r
ecall: 0.5729 - val_loss: 0.6818 - val_accuracy: 0.5000 - val_auc: 0.8747 - val_precision: 0.0000e+00 - val_recall: 0.0000e+0
0

Epoch 00006: val_accuracy did not improve from 0.50000
Epoch 7/10
50/50 [==============================] - 4s 76ms/step - loss: 0.7177 - accuracy: 0.5250 - auc: 0.4906 - precision: 0.4891 - r
ecall: 0.4839 - val_loss: 0.6911 - val_accuracy: 0.5000 - val_auc: 0.6250 - val_precision: 0.0000e+00 - val_recall: 0.0000e+0
0

Epoch 00007: val_accuracy did not improve from 0.50000
Epoch 8/10
50/50 [==============================] - 3s 69ms/step - loss: 0.6842 - accuracy: 0.5700 - auc: 0.5803 - precision: 0.6286 - r
ecall: 0.5841 - val_loss: 0.6929 - val_accuracy: 0.5000 - val_auc: 0.5000 - val_precision: 0.5000 - val_recall: 1.0000

Epoch 00008: val_accuracy did not improve from 0.50000
Epoch 9/10
50/50 [==============================] - 4s 78ms/step - loss: 0.7063 - accuracy: 0.4950 - auc: 0.5113 - precision: 0.4330 - r
ecall: 0.4773 - val_loss: 0.6925 - val_accuracy: 0.6125 - val_auc: 0.5000 - val_precision: 0.5634 - val_recall: 1.0000

Epoch 00009: val_accuracy improved from 0.50000 to 0.61250, saving model to best_model.h5
Epoch 10/10
50/50 [==============================] - 4s 82ms/step - loss: 0.7224 - accuracy: 0.4600 - auc: 0.4393 - precision: 0.4660 - r
ecall: 0.4752 - val_loss: 0.6924 - val_accuracy: 0.7750 - val_auc: 0.5000 - val_precision: 0.7200 - val_recall: 0.9000

Epoch 00010: val_accuracy improved from 0.61250 to 0.77500, saving model to best_model.h5
```