Train the Model

```python
model.fit_generator(generator=x_train,steps_per_epoch = len(x_train), epochs=10, validation_data=x_test,validation_steps = le
```

[12]   Python

```
<ipython-input-12-da6b799e739e>:1: UserWarning: `Model.fit_generator` is deprecated and will be removed in a future version.
Please use `Model.fit`, which supports generators.
  model.fit_generator(generator=x_train,steps_per_epoch = len(x_train), epochs=10, validation_data=x_test,validation_steps =
len(x_test))

Epoch 1/10
480/480 [==============================] - 293s 609ms/step - loss: 1.3855 - accuracy: 0.4979 - val_loss: 1.4711 - val_accuracy:
0.4818
Epoch 2/10
480/480 [==============================] - 112s 233ms/step - loss: 0.6817 - accuracy: 0.7736 - val_loss: 0.6056 - val_accuracy:
0.7930
Epoch 3/10
480/480 [==============================] - 111s 232ms/step - loss: 0.3508 - accuracy: 0.8937 - val_loss: 0.5459 - val_accuracy:
0.8554
Epoch 4/10
480/480 [==============================] - 112s 233ms/step - loss: 0.2939 - accuracy: 0.9133 - val_loss: 0.3885 - val_accuracy:
0.8777
Epoch 5/10
480/480 [==============================] - 115s 239ms/step - loss: 0.2541 - accuracy: 0.9241 - val_loss: 0.3589 - val_accuracy:
0.8847
Epoch 6/10
```

```
Epoch 3/10
480/480 [==============================] - 111s 232ms/step - loss: 0.3508 - accuracy: 0.8937 - val_loss: 0.5459 - val_accuracy:
0.8554
Epoch 4/10
480/480 [==============================] - 112s 233ms/step - loss: 0.2939 - accuracy: 0.9133 - val_loss: 0.3885 - val_accuracy:
0.8777
Epoch 5/10
480/480 [==============================] - 115s 239ms/step - loss: 0.2541 - accuracy: 0.9241 - val_loss: 0.3589 - val_accuracy:
0.8847
Epoch 6/10
480/480 [==============================] - 113s 236ms/step - loss: 0.2280 - accuracy: 0.9348 - val_loss: 0.3392 - val_accuracy:
0.9007
Epoch 7/10
480/480 [==============================] - 119s 248ms/step - loss: 0.2161 - accuracy: 0.9372 - val_loss: 0.3637 - val_accuracy:
0.8911
Epoch 8/10
480/480 [==============================] - 113s 235ms/step - loss: 0.2000 - accuracy: 0.9403 - val_loss: 0.3671 - val_accuracy:
0.8873
Epoch 9/10
480/480 [==============================] - 116s 241ms/step - loss: 0.1897 - accuracy: 0.9434 - val_loss: 0.3255 - val_accuracy:
0.9010
Epoch 10/10
480/480 [==============================] - 112s 234ms/step - loss: 0.1755 - accuracy: 0.9479 - val_loss: 0.3082 - val_accuracy:
0.9007

<keras.callbacks.History at 0x1d47dbddb80>
```