```
* Training basic_model for 15 epochs
Epoch 1/15
13/13 [==============================] - 11s 831ms/step - loss: 142.3240 - accuracy: 0.3306 - val_loss: 1.1157 - val_accuracy: 0.3525
Epoch 2/15
13/13 [==============================] - 11s 825ms/step - loss: 1.1027 - accuracy: 0.3806 - val_loss: 1.0481 - val_accuracy: 0.4350
Epoch 3/15
13/13 [==============================] - 11s 821ms/step - loss: 1.0280 - accuracy: 0.4331 - val_loss: 1.0025 - val_accuracy: 0.4525
Epoch 4/15
13/13 [==============================] - 11s 837ms/step - loss: 0.9839 - accuracy: 0.5025 - val_loss: 1.0000 - val_accuracy: 0.4825
Epoch 5/15
13/13 [==============================] - 11s 822ms/step - loss: 0.9318 - accuracy: 0.5369 - val_loss: 1.0002 - val_accuracy: 0.4900
Epoch 6/15
13/13 [==============================] - 11s 826ms/step - loss: 0.9048 - accuracy: 0.5612 - val_loss: 0.9871 - val_accuracy: 0.5200
Epoch 7/15
13/13 [==============================] - 11s 828ms/step - loss: 0.8766 - accuracy: 0.5775 - val_loss: 1.0408 - val_accuracy: 0.4700
Epoch 8/15
13/13 [==============================] - 11s 820ms/step - loss: 0.8346 - accuracy: 0.6106 - val_loss: 1.0066 - val_accuracy: 0.4750
Epoch 9/15
13/13 [==============================] - 11s 820ms/step - loss: 0.7792 - accuracy: 0.6363 - val_loss: 1.0526 - val_accuracy: 0.5100
Epoch 10/15
13/13 [==============================] - 11s 827ms/step - loss: 0.7383 - accuracy: 0.6531 - val_loss: 1.0384 - val_accuracy: 0.5400
Epoch 11/15
13/13 [==============================] - 11s 838ms/step - loss: 0.6376 - accuracy: 0.7256 - val_loss: 1.0485 - val_accuracy: 0.5275
Epoch 12/15
13/13 [==============================] - 11s 829ms/step - loss: 0.5675 - accuracy: 0.7569 - val_loss: 1.0994 - val_accuracy: 0.5300
Epoch 13/15
13/13 [==============================] - 11s 827ms/step - loss: 0.5142 - accuracy: 0.7769 - val_loss: 1.2115 - val_accuracy: 0.5325
Epoch 14/15
13/13 [==============================] - 11s 826ms/step - loss: 0.4699 - accuracy: 0.8112 - val_loss: 1.1837 - val_accuracy: 0.5425
Epoch 15/15
13/13 [==============================] - 11s 828ms/step - loss: 0.3909 - accuracy: 0.8444 - val_loss: 1.4057 - val_accuracy: 0.5325
* Evaluating basic_model
30/30 [==============================] - 6s 202ms/step - loss: 1.4009 - accuracy: 0.5597
* Confusion Matrix for basic_model
30/30 [==============================] - 6s 201ms/step
[[886 592 296]
 [337 714 182]
 [115 168 548]]
```
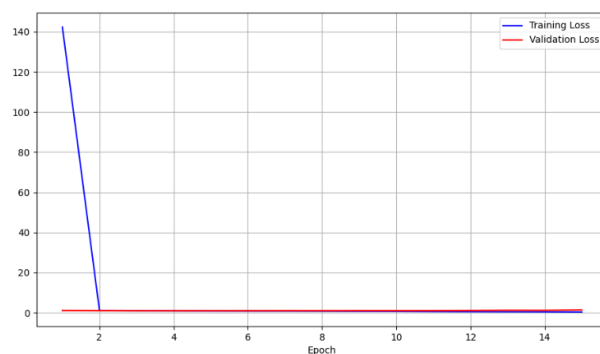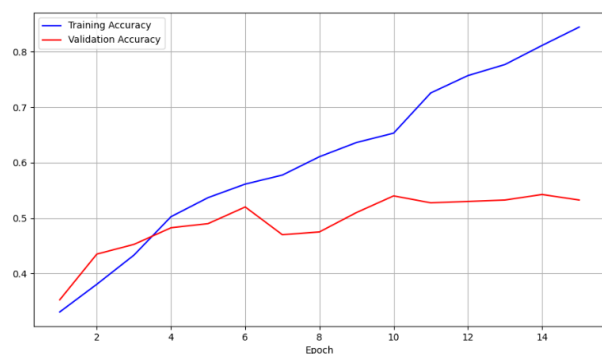
```
* Model saved as basic_model_15_epochs_timestamp_1691534210.keras
Model: "sequential"

_____
 Layer (type)                Output Shape              Param #
=================================================================
 conv2d (Conv2D)             (None, 148, 148, 32)      896

 max_pooling2d (MaxPooling2D  (None, 74, 74, 32)       0
 )

 conv2d_1 (Conv2D)           (None, 72, 72, 64)        18496

 max_pooling2d_1 (MaxPooling  (None, 36, 36, 64)       0
 2D)

 dropout (Dropout)           (None, 36, 36, 64)        0

 conv2d_2 (Conv2D)           (None, 34, 34, 128)       73856

 max_pooling2d_2 (MaxPooling  (None, 17, 17, 128)      0
 2D)

 dropout_1 (Dropout)         (None, 17, 17, 128)       0

 flatten (Flatten)           (None, 36992)             0

 dense (Dense)               (None, 128)               4735104

 dense_1 (Dense)             (None, 3)                 387

=================================================================
Total params: 4,828,739
Trainable params: 4,828,739
Non-trainable params: 0
_____
```