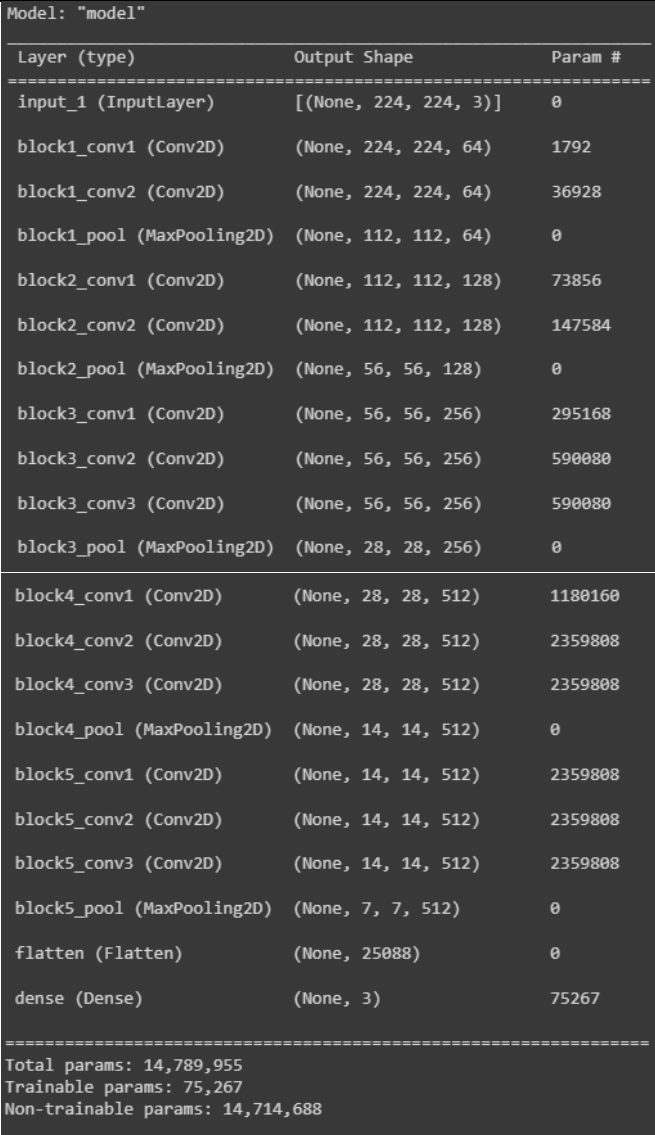


## Project Development Phase Model Performance Test

Team ID	PNT2022TMID35710
Project Name	Project - Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
Maximum Marks	10 Marks

### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	 <pre> Model: "model" ----- Layer (type)                 Output Shape              Param # ----- input_1 (InputLayer)         [(None, 224, 224, 3)]    0 block1_conv1 (Conv2D)        (None, 224, 224, 64)     1792 block1_conv2 (Conv2D)        (None, 224, 224, 64)     36928 block1_pool (MaxPooling2D)   (None, 112, 112, 64)    0 block2_conv1 (Conv2D)        (None, 112, 112, 128)    73856 block2_conv2 (Conv2D)        (None, 112, 112, 128)    147584 block2_pool (MaxPooling2D)   (None, 56, 56, 128)     0 block3_conv1 (Conv2D)        (None, 56, 56, 256)     295168 block3_conv2 (Conv2D)        (None, 56, 56, 256)     590080 block3_conv3 (Conv2D)        (None, 56, 56, 256)     590080 block3_pool (MaxPooling2D)   (None, 28, 28, 256)     0 block4_conv1 (Conv2D)        (None, 28, 28, 512)     1180160 block4_conv2 (Conv2D)        (None, 28, 28, 512)     2359808 block4_conv3 (Conv2D)        (None, 28, 28, 512)     2359808 block4_pool (MaxPooling2D)   (None, 14, 14, 512)     0 block5_conv1 (Conv2D)        (None, 14, 14, 512)     2359808 block5_conv2 (Conv2D)        (None, 14, 14, 512)     2359808 block5_conv3 (Conv2D)        (None, 14, 14, 512)     2359808 block5_pool (MaxPooling2D)   (None, 7, 7, 512)       0 flatten (Flatten)            (None, 25088)            0 dense (Dense)                (None, 3)                75267 ----- Total params: 14,789,955 Trainable params: 75,267 Non-trainable params: 14,714,688 </pre>

2.	Accuracy	<div>Training Accuracy – 99.59%</div> <div>Validation Accuracy – 61.99%</div>	<div>Epoch 40/50</div> <div>98/98 [=====] - 15s 148ms/step - loss: 0.0851 - accuracy: 0.9724 - val_loss: 3.1305 - val_accuracy: 0.5789</div> <div>Epoch 41/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0440 - accuracy: 0.9826 - val_loss: 2.1611 - val_accuracy: 0.5965</div> <div>Epoch 42/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0265 - accuracy: 0.9918 - val_loss: 2.1988 - val_accuracy: 0.6023</div> <div>Epoch 43/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0268 - accuracy: 0.9898 - val_loss: 2.1974 - val_accuracy: 0.6082</div> <div>Epoch 44/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0093 - accuracy: 0.9969 - val_loss: 2.1967 - val_accuracy: 0.6199</div> <div>Epoch 45/50</div> <div>98/98 [=====] - 15s 149ms/step - loss: 0.0212 - accuracy: 0.9969 - val_loss: 2.1988 - val_accuracy: 0.6199</div> <div>Epoch 46/50</div> <div>98/98 [=====] - 15s 148ms/step - loss: 0.0605 - accuracy: 0.9775 - val_loss: 2.5273 - val_accuracy: 0.6257</div> <div>Epoch 47/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0130 - accuracy: 0.9969 - val_loss: 2.4369 - val_accuracy: 0.5965</div> <div>Epoch 48/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0285 - accuracy: 0.9867 - val_loss: 2.6190 - val_accuracy: 0.5556</div> <div>Epoch 49/50</div> <div>98/98 [=====] - 14s 148ms/step - loss: 0.0404 - accuracy: 0.9877 - val_loss: 2.3835 - val_accuracy: 0.6550</div> <div>Epoch 50/50</div> <div>98/98 [=====] - 14s 147ms/step - loss: 0.0139 - accuracy: 0.9959 - val_loss: 2.3079 - val_accuracy: 0.6199</div>
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