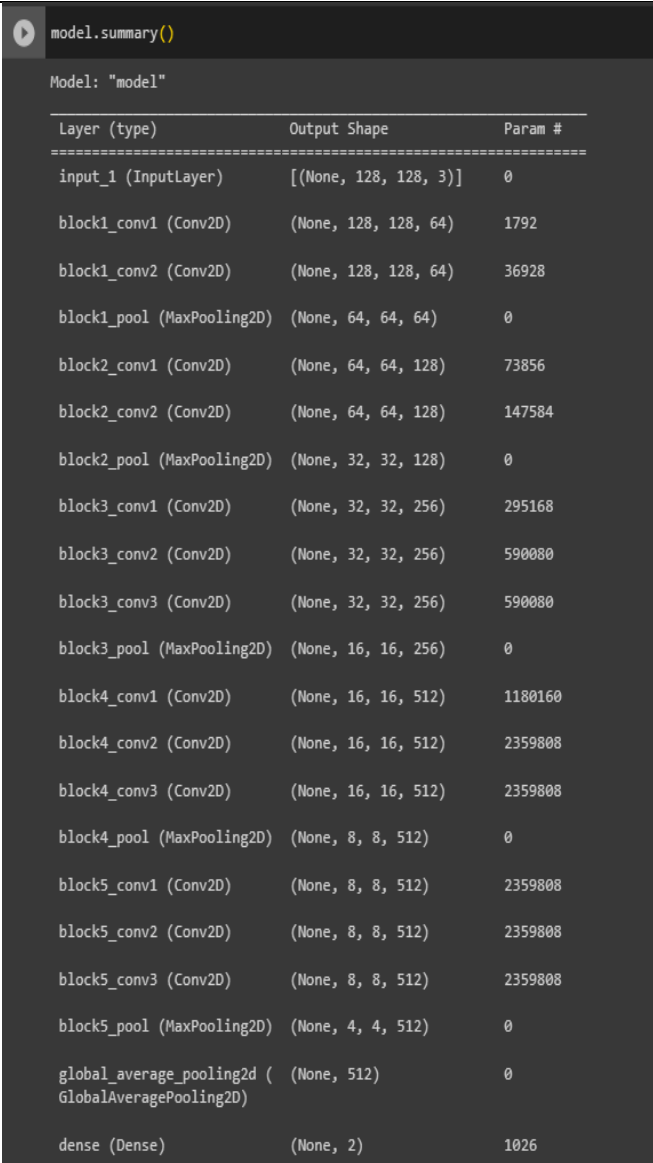


## Project Development Phase Model Performance Test

Date	20 November 2023
Team ID	Team-593005
Project Name	AI Enable car parking using OpenCV
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, 128, 128, 3) ] 0  block1_conv1 (Conv2D) (None, 128, 128, 64) 1792  block1_conv2 (Conv2D) (None, 128, 128, 64) 36928  block1_pool (MaxPooling2D) (None, 64, 64, 64) 0  block2_conv1 (Conv2D) (None, 64, 64, 128) 73856 </pre>	 <pre> model.summary()  Model: "model" Layer (type)                Output Shape                Param # ===== input_1 (InputLayer)        [(None, 128, 128, 3)]      0 block1_conv1 (Conv2D)        (None, 128, 128, 64)       1792 block1_conv2 (Conv2D)        (None, 128, 128, 64)       36928 block1_pool (MaxPooling2D)   (None, 64, 64, 64)         0 block2_conv1 (Conv2D)        (None, 64, 64, 128)        73856 block2_conv2 (Conv2D)        (None, 64, 64, 128)        147584 block2_pool (MaxPooling2D)   (None, 32, 32, 128)         0 block3_conv1 (Conv2D)        (None, 32, 32, 256)        295168 block3_conv2 (Conv2D)        (None, 32, 32, 256)        590080 block3_conv3 (Conv2D)        (None, 32, 32, 256)        590080 block3_pool (MaxPooling2D)   (None, 16, 16, 256)         0 block4_conv1 (Conv2D)        (None, 16, 16, 512)        1180160 block4_conv2 (Conv2D)        (None, 16, 16, 512)        2359808 block4_conv3 (Conv2D)        (None, 16, 16, 512)        2359808 block4_pool (MaxPooling2D)   (None, 8, 8, 512)          0 block5_conv1 (Conv2D)        (None, 8, 8, 512)          2359808 block5_conv2 (Conv2D)        (None, 8, 8, 512)          2359808 block5_conv3 (Conv2D)        (None, 8, 8, 512)          2359808 block5_pool (MaxPooling2D)   (None, 4, 4, 512)          0 global_average_pooling2d ( GlobalAveragePooling2D)   (None, 512)                0 dense (Dense)                (None, 2)                  1026 </pre>

		<pre>block2_conv2 (Conv2D) (None, 64, 64, 128) 147584  block2_pool (MaxPooling2D) (None, 32, 32, 128) 0  block3_conv1 (Conv2D) (None, 32, 32, 256) 295168  block3_conv2 (Conv2D) (None, 32, 32, 256) 590080  block3_conv3 (Conv2D) (None, 32, 32, 256) 590080  block3_pool (MaxPooling2D) (None, 16, 16, 256) 0  block4_conv1 (Conv2D) (None, 16, 16, 512) 1180160  block4_conv2 (Conv2D) (None, 16, 16, 512) 2359808  block4_conv3 (Conv2D) (None, 16, 16, 512) 2359808  block4_pool (MaxPooling2D) (None, 8, 8, 512) 0  block5_conv1 (Conv2D) (None, 8, 8, 512) 2359808</pre>	
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		<pre>block5_conv2 (Conv2D) (None, 8, 8, 512) 2359808  block5_conv3 (Conv2D) (None, 8, 8, 512) 2359808  block5_pool (MaxPooling2D) (None, 4, 4, 512) 0  global_average_pooli ng2d ( (None, 512) 0  GlobalAveragePooling 2D)  dense (Dense) (None, 2) 1026  ===== ===== ===== ===== ===== Total params: 14715714 (56.14 MB) Trainable params: 12980226 (49.52 MB) Non-trainable params: 1735488 (6.62 MB)</pre>	
2.	Accuracy	Training Accuracy – 0.94  Validation Accuracy – 0.89	<pre>loss: 0.1423 - accuracy: 0.9423 -  val_loss: 0.3345 - val_accuracy: 0.8963</pre>
3.	Confidence Score (Only Yolo Projects)	Class Detected -  Confidence Score -	This is not YOLO project

