

Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID43448
Project Name	Project – Deep learning Fundus image analysis for early detection of Diabetic Retinopathy
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> In [12]: 1 model.summary() Model: "model" Layer (type) Output Shape Param # Connected to ----- input_1 (InputLayer) [(None, 299, 299, 3 0)] block1_conv1 (Conv2D) (None, 149, 149, 32 864) block1_conv1_bn (BatchNormaliz ation) (None, 149, 149, 32 128) block1_conv1_act (Activation) (None, 149, 149, 32 0) block1_conv2 (Conv2D) (None, 147, 147, 64 18432) block1_conv2_bn (BatchNormaliz ation) (None, 147, 147, 64 256) block1_conv2_act (Activation) (None, 147, 147, 64 0) block2_sepconv1 (SeparableConv 2D) (None, 147, 147, 12 8768 8) block2_sepconv1_bn (BatchNorma lization) (None, 147, 147, 12 512 8) block2_sepconv2_act (Activatio n) (None, 147, 147, 12 0 8) block2_sepconv2 (SeparableConv 2D) (None, 147, 147, 12 17536 8) block2_sepconv2_bn (BatchNorma lization) (None, 147, 147, 12 512 8) conv2d (Conv2D) (None, 74, 74, 128) 8192 block2_pool (MaxPooling2D) (None, 74, 74, 128) 0 batch_normalization (BatchNorm alization) (None, 74, 74, 128) 512 add (Add) (None, 74, 74, 128) 0 block3_sepconv1_act (Activatio n) (None, 74, 74, 128) 0 block3_sepconv1 (SeparableConv 2D) (None, 74, 74, 256) 33920 block3_sepconv1_bn (BatchNorma lization) (None, 74, 74, 256) 1024 block3_sepconv2_act (Activatio n) (None, 74, 74, 256) 0 block3_sepconv2 (SeparableConv 2D) (None, 74, 74, 256) 67840 </pre>

			<div> <div>block3_sepconv2_bn (BatchNormalization)</div> <div>(None, 74, 74, 256)</div> <div>1024</div> <div>['block3_sepconv2[0][0]']</div> </div> <div> <div>conv2d_1 (Conv2D)</div> <div>(None, 37, 37, 256)</div> <div>32768</div> <div>['add[0][0]']</div> </div> <div> <div>block3_pool (MaxPooling2D)</div> <div>(None, 37, 37, 256)</div> <div>0</div> <div>['block3_sepconv2_bn[0][0]']</div> </div> <div> <div>batch_normalization_1 (BatchNormalization)</div> <div>(None, 37, 37, 256)</div> <div>1024</div> <div>['conv2d_1[0][0]']</div> </div> <div> <div>add_1 (Add)</div> <div>(None, 37, 37, 256)</div> <div>0</div> <div>['block3_pool[0][0]', 'batch_normalization_1[0][0]']</div> </div> <div> <div>block4_sepconv1_act (Activation)</div> <div>(None, 37, 37, 256)</div> <div>0</div> <div>['add_1[0][0]']</div> </div> <div> <div>block4_sepconv1 (SeparableConv2D)</div> <div>(None, 37, 37, 728)</div> <div>188672</div> <div>['block4_sepconv1_act[0][0]']</div> </div> <div> <div>block4_sepconv1_bn (BatchNormalization)</div> <div>(None, 37, 37, 728)</div> <div>2912</div> <div>['block4_sepconv1[0][0]']</div> </div> <div> <div>block4_sepconv2_act (Activation)</div> <div>(None, 37, 37, 728)</div> <div>0</div> <div>['block4_sepconv1_bn[0][0]']</div> </div> <div> <div>block4_sepconv2 (SeparableConv2D)</div> <div>(None, 37, 37, 728)</div> <div>536536</div> <div>['block4_sepconv2_act[0][0]']</div> </div> <div> <div>block4_sepconv2_bn (BatchNormalization)</div> <div>(None, 37, 37, 728)</div> <div>2912</div> <div>['block4_sepconv2[0][0]']</div> </div> <div> <div>conv2d_2 (Conv2D)</div> <div>(None, 19, 19, 728)</div> <div>186368</div> <div>['add_1[0][0]']</div> </div> <div> <div>block4_pool (MaxPooling2D)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block4_sepconv2_bn[0][0]']</div> </div>	
			<div> <div>batch_normalization_2 (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['conv2d_2[0][0]']</div> </div> <div> <div>add_2 (Add)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block4_pool[0][0]', 'batch_normalization_2[0][0]']</div> </div> <div> <div>block5_sepconv1_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['add_2[0][0]']</div> </div> <div> <div>block5_sepconv1 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block5_sepconv1_act[0][0]']</div> </div> <div> <div>block5_sepconv1_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block5_sepconv1[0][0]']</div> </div> <div> <div>block5_sepconv2_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block5_sepconv1_bn[0][0]']</div> </div> <div> <div>block5_sepconv2 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block5_sepconv2_act[0][0]']</div> </div> <div> <div>block5_sepconv2_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block5_sepconv2[0][0]']</div> </div> <div> <div>block5_sepconv3_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block5_sepconv2_bn[0][0]']</div> </div> <div> <div>block5_sepconv3 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block5_sepconv3_act[0][0]']</div> </div> <div> <div>block5_sepconv3_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block5_sepconv3[0][0]']</div> </div> <div> <div>add_3 (Add)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block5_sepconv3_bn[0][0]', 'add_2[0][0]']</div> </div>	

			<div> <div> <div>block6_sepconv1_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['add_3[0][0]']</div> </div> <div> <div>block6_sepconv1 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block6_sepconv1_act[0][0]']</div> </div> <div> <div>block6_sepconv1_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block6_sepconv1[0][0]']</div> </div> <div> <div>block6_sepconv2_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block6_sepconv1_bn[0][0]']</div> </div> <div> <div>block6_sepconv2 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block6_sepconv2_act[0][0]']</div> </div> <div> <div>block6_sepconv2_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block6_sepconv2[0][0]']</div> </div> <div> <div>block6_sepconv3_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block6_sepconv2_bn[0][0]']</div> </div> <div> <div>block6_sepconv3 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block6_sepconv3_act[0][0]']</div> </div> <div> <div>block6_sepconv3_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block6_sepconv3[0][0]']</div> </div> <div> <div>add_4 (Add)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block6_sepconv3_bn[0][0]', 'add_3[0][0]']</div> </div> <div> <div>block7_sepconv1_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['add_4[0][0]']</div> </div> <div> <div>block7_sepconv1 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block7_sepconv1_act[0][0]']</div> </div> </div>	<div> <div>block7_sepconv1_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block7_sepconv1[0][0]']</div> </div> <div> <div>block7_sepconv2_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block7_sepconv1_bn[0][0]']</div> </div> <div> <div>block7_sepconv2 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block7_sepconv2_act[0][0]']</div> </div> <div> <div>block7_sepconv2_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block7_sepconv2[0][0]']</div> </div> <div> <div>block7_sepconv3_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block7_sepconv2_bn[0][0]']</div> </div> <div> <div>block7_sepconv3 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block7_sepconv3_act[0][0]']</div> </div> <div> <div>block7_sepconv3_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block7_sepconv3[0][0]']</div> </div> <div> <div>add_5 (Add)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block7_sepconv3_bn[0][0]', 'add_4[0][0]']</div> </div> <div> <div>block8_sepconv1_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['add_5[0][0]']</div> </div> <div> <div>block8_sepconv1 (SeparableConv2D)</div> <div>(None, 19, 19, 728)</div> <div>536536</div> <div>['block8_sepconv1_act[0][0]']</div> </div> <div> <div>block8_sepconv1_bn (BatchNormalization)</div> <div>(None, 19, 19, 728)</div> <div>2912</div> <div>['block8_sepconv1[0][0]']</div> </div> <div> <div>block8_sepconv2_act (Activation)</div> <div>(None, 19, 19, 728)</div> <div>0</div> <div>['block8_sepconv1_bn[0][0]']</div> </div>
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			<div><div>block8_sepconv2 (SeparableConv (None, 19, 19, 728) 536536 2D)</div><div>block8_sepconv2_bn (BatchNorm (None, 19, 19, 728) 2912 lization)</div><div>block8_sepconv3_act (Activatio (None, 19, 19, 728) 0 n)</div><div>block8_sepconv3 (SeparableConv (None, 19, 19, 728) 536536 2D)</div><div>block8_sepconv3_bn (BatchNorm (None, 19, 19, 728) 2912 lization)</div><div>add_6 (Add) (None, 19, 19, 728) 0</div><div>block9_sepconv1_act (Activatio (None, 19, 19, 728) 0 n)</div><div>block9_sepconv1 (SeparableConv (None, 19, 19, 728) 536536 2D)</div><div>block9_sepconv1_bn (BatchNorm (None, 19, 19, 728) 2912 lization)</div><div>block9_sepconv2_act (Activatio (None, 19, 19, 728) 0 n)</div><div>block9_sepconv2 (SeparableConv (None, 19, 19, 728) 536536 2D)</div><div>block9_sepconv2_bn (BatchNorm (None, 19, 19, 728) 2912 lization)</div></div>
			<div><div>block9_sepconv3_act (Activatio (None, 19, 19, 728) 0 n)</div><div>block9_sepconv3 (SeparableConv (None, 19, 19, 728) 536536 2D)</div><div>block9_sepconv3_bn (BatchNorm (None, 19, 19, 728) 2912 lization)</div><div>add_7 (Add) (None, 19, 19, 728) 0</div><div>block10_sepconv1_act (Activati (None, 19, 19, 728) 0 on)</div><div>block10_sepconv1 (SeparableCon (None, 19, 19, 728) 536536 v2D)</div><div>block10_sepconv1_bn (BatchNorm (None, 19, 19, 728) 2912 alization)</div><div>block10_sepconv2_act (Activati (None, 19, 19, 728) 0 on)</div><div>block10_sepconv2 (SeparableCon (None, 19, 19, 728) 536536 v2D)</div><div>block10_sepconv2_bn (BatchNorm (None, 19, 19, 728) 2912 alization)</div><div>block10_sepconv3_act (Activati (None, 19, 19, 728) 0 on)</div></div>

			block10_sepconv3 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block10_sepconv3_act[0][0]']
			block10_sepconv3_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block10_sepconv3[0][0]']
			add_8 (Add) (None, 19, 19, 728) 0	['block10_sepconv3_bn[0][0]', 'add_7[0][0]']
			block11_sepconv1_act (Activati on) (None, 19, 19, 728) 0	['add_8[0][0]']
			block11_sepconv1 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block11_sepconv1_act[0][0]']
			block11_sepconv1_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block11_sepconv1[0][0]']
			block11_sepconv2_act (Activati on) (None, 19, 19, 728) 0	['block11_sepconv1_bn[0][0]']
			block11_sepconv2 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block11_sepconv2_act[0][0]']
			block11_sepconv2_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block11_sepconv2[0][0]']
			block11_sepconv2_act (Activati on) (None, 19, 19, 728) 0	['block11_sepconv2_bn[0][0]']
			block11_sepconv3 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block11_sepconv3_act[0][0]']
			block11_sepconv3_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block11_sepconv3[0][0]']
			add_9 (Add) (None, 19, 19, 728) 0	['block11_sepconv3_bn[0][0]', 'add_8[0][0]']
			block12_sepconv1_act (Activati on) (None, 19, 19, 728) 0	['add_9[0][0]']
			block12_sepconv1 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block12_sepconv1_act[0][0]']
			block12_sepconv1_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block12_sepconv1[0][0]']
			block12_sepconv2_act (Activati on) (None, 19, 19, 728) 0	['block12_sepconv1_bn[0][0]']
			block12_sepconv2 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block12_sepconv2_act[0][0]']
			block12_sepconv2_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block12_sepconv2[0][0]']
			block12_sepconv3_act (Activati on) (None, 19, 19, 728) 0	['block12_sepconv2_bn[0][0]']
			block12_sepconv3 (SeparableCon (None, 19, 19, 728) 536536 v2D)	['block12_sepconv3_act[0][0]']
			block12_sepconv3_bn (BatchNorm alization) (None, 19, 19, 728) 2912	['block12_sepconv3[0][0]']
			add_10 (Add) (None, 19, 19, 728) 0	['block12_sepconv3_bn[0][0]', 'add_9[0][0]']
			block13_sepconv1_act (Activati on) (None, 19, 19, 728) 0	['add_10[0][0]']

			<div><div><div>block13_sepconv1 (SeparableCon v2D) (None, 19, 19, 728) 536536 ['block13_sepconv1_act[0][0]']</div><div>block13_sepconv1_bn (BatchNorm alization) (None, 19, 19, 728) 2912 ['block13_sepconv1[0][0]']</div><div>block13_sepconv2_act (Activati on) (None, 19, 19, 728) 0 ['block13_sepconv1_bn[0][0]']</div><div>block13_sepconv2 (SeparableCon v2D) (None, 19, 19, 1024) 752024 ['block13_sepconv2_act[0][0]']</div><div>block13_sepconv2_bn (BatchNorm alization) (None, 19, 19, 1024) 4096 ['block13_sepconv2[0][0]']</div><div>conv2d_3 (Conv2D) (None, 10, 10, 1024) 745472 ['add_10[0][0]']</div><div>block13_pool (MaxPooling2D) (None, 10, 10, 1024) 0 ['block13_sepconv2_bn[0][0]']</div><div>batch_normalization_3 (BatchNo rmalization) (None, 10, 10, 1024) 4096 ['conv2d_3[0][0]']</div><div>add_11 (Add) (None, 10, 10, 1024) 0 ['block13_pool[0][0]', 'batch_normalization_3[0][0]']</div><div>block14_sepconv1 (SeparableCon v2D) (None, 10, 10, 1536) 1582080 ['add_11[0][0]']</div><div>block14_sepconv1_bn (BatchNorm alization) (None, 10, 10, 1536) 6144 ['block14_sepconv1[0][0]']</div><div>block14_sepconv1_act (Activati on) (None, 10, 10, 1536) 0 ['block14_sepconv1_bn[0][0]']</div></div></div>
			<div><div><div>block14_sepconv2 (SeparableCon v2D) (None, 10, 10, 2048) 3159552 ['block14_sepconv1_act[0][0]']</div><div>block14_sepconv2_bn (BatchNorm alization) (None, 10, 10, 2048) 8192 ['block14_sepconv2[0][0]']</div><div>block14_sepconv2_act (Activati on) (None, 10, 10, 2048) 0 ['block14_sepconv2_bn[0][0]']</div><div>flatten (Flatten) (None, 204800) 0 ['block14_sepconv2_act[0][0]']</div><div>dense (Dense) (None, 5) 1024005 ['flatten[0][0]']</div></div><div>=====</div><div>Total params: 21,885,485 Trainable params: 1,024,005 Non-trainable params: 20,861,480</div></div>

2.	Accuracy	<p>Training Accuracy – 0.8229</p> <p>Validation Accuracy - 0.8542</p>	<pre> In [19]: 1 r = model.fit_generator(training_set, 2 validation_data=test_set, 3 epochs=30, 4 steps_per_epoch=len(training_set)//32, 5 validation_steps=len(test_set)//32 6) </pre> <p>C:\Users\SRI SAI\AppData\Local\Temp\ipykernel_7336\2721303376.py:1: UserWarning: 'Model.fit_generator' is deprecated and will be removed in a future version. Please use 'Model.fit', which supports generators.</p> <p>r = model.fit_generator(training_set,</p> <p>Epoch 1/30 3/3 [=====] - 75s 29s/step - loss: 2.6565 - accuracy: 0.8021 - val_loss: 3.1720 - val_accuracy: 0.7500 Epoch 2/30 3/3 [=====] - 58s 23s/step - loss: 3.3913 - accuracy: 0.7708 - val_loss: 2.9005 - val_accuracy: 0.7500 Epoch 3/30 3/3 [=====] - 55s 22s/step - loss: 3.5876 - accuracy: 0.7396 - val_loss: 2.6472 - val_accuracy: 0.7917 Epoch 4/30 3/3 [=====] - 55s 22s/step - loss: 2.8447 - accuracy: 0.7604 - val_loss: 4.0906 - val_accuracy: 0.7708 Epoch 5/30 3/3 [=====] - 54s 22s/step - loss: 3.9040 - accuracy: 0.7604 - val_loss: 2.7901 - val_accuracy: 0.7188 Epoch 6/30 3/3 [=====] - 55s 22s/step - loss: 2.1252 - accuracy: 0.8333 - val_loss: 2.0350 - val_accuracy: 0.8021 Epoch 7/30 3/3 [=====] - 49s 22s/step - loss: 3.1932 - accuracy: 0.7692 - val_loss: 2.9650 - val_accuracy: 0.7708 Epoch 8/30 3/3 [=====] - 53s 21s/step - loss: 5.5181 - accuracy: 0.7396 - val_loss: 2.7313 - val_accuracy: 0.7812 Epoch 9/30 3/3 [=====] - 52s 21s/step - loss: 2.6200 - accuracy: 0.8125 - val_loss: 2.4544 - val_accuracy: 0.6875 Epoch 10/30 3/3 [=====] - 52s 20s/step - loss: 2.3717 - accuracy: 0.7917 - val_loss: 3.0723 - val_accuracy: 0.6979 Epoch 11/30 3/3 [=====] - 53s 21s/step - loss: 3.2614 - accuracy: 0.7500 - val_loss: 2.3165 - val_accuracy: 0.8125 Epoch 12/30 3/3 [=====] - 52s 20s/step - loss: 4.0855 - accuracy: 0.6875 - val_loss: 3.2525 - val_accuracy: 0.7812 Epoch 13/30 3/3 [=====] - 51s 21s/step - loss: 3.0122 - accuracy: 0.8229 - val_loss: 2.4100 - val_accuracy: 0.7500 Epoch 14/30 3/3 [=====] - 50s 20s/step - loss: 2.5197 - accuracy: 0.7604 - val_loss: 1.2110 - val_accuracy: 0.8229 Epoch 15/30 3/3 [=====] - 52s 20s/step - loss: 3.1242 - accuracy: 0.7917 - val_loss: 3.1027 - val_accuracy: 0.7292 Epoch 16/30 3/3 [=====] - 50s 20s/step - loss: 3.3930 - accuracy: 0.7396 - val_loss: 1.5712 - val_accuracy: 0.8750 Epoch 17/30 3/3 [=====] - 53s 21s/step - loss: 2.5512 - accuracy: 0.7812 - val_loss: 1.9767 - val_accuracy: 0.7812 Epoch 18/30 3/3 [=====] - 50s 20s/step - loss: 2.0621 - accuracy: 0.8229 - val_loss: 2.6166 - val_accuracy: 0.6875 Epoch 19/30 3/3 [=====] - 51s 20s/step - loss: 4.3960 - accuracy: 0.7083 - val_loss: 2.5433 - val_accuracy: 0.7396 Epoch 20/30 3/3 [=====] - 52s 21s/step - loss: 1.6552 - accuracy: 0.8438 - val_loss: 3.4086 - val_accuracy: 0.7083 Epoch 21/30 3/3 [=====] - 52s 20s/step - loss: 3.8576 - accuracy: 0.7917 - val_loss: 3.9289 - val_accuracy: 0.8021 Epoch 22/30 3/3 [=====] - 49s 19s/step - loss: 3.0081 - accuracy: 0.7292 - val_loss: 2.4708 - val_accuracy: 0.7396 Epoch 23/30 3/3 [=====] - 49s 20s/step - loss: 2.1175 - accuracy: 0.7812 - val_loss: 1.4821 - val_accuracy: 0.8125 Epoch 24/30 3/3 [=====] - 54s 22s/step - loss: 3.0934 - accuracy: 0.7500 - val_loss: 2.5336 - val_accuracy: 0.7917 Epoch 25/30 3/3 [=====] - 51s 23s/step - loss: 3.4418 - accuracy: 0.7821 - val_loss: 3.1132 - val_accuracy: 0.7917 Epoch 26/30 3/3 [=====] - 54s 21s/step - loss: 1.6937 - accuracy: 0.8229 - val_loss: 1.6791 - val_accuracy: 0.8438 Epoch 27/30 3/3 [=====] - 51s 20s/step - loss: 3.0819 - accuracy: 0.7917 - val_loss: 2.6662 - val_accuracy: 0.7604 Epoch 28/30 3/3 [=====] - 53s 21s/step - loss: 3.1102 - accuracy: 0.7500 - val_loss: 1.7582 - val_accuracy: 0.7604 Epoch 29/30 3/3 [=====] - 53s 20s/step - loss: 2.0389 - accuracy: 0.7917 - val_loss: 2.2502 - val_accuracy: 0.7500 Epoch 30/30 3/3 [=====] - 53s 21s/step - loss: 2.8220 - accuracy: 0.8229 - val_loss: 1.1712 - val_accuracy: 0.8542</p>
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3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	
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