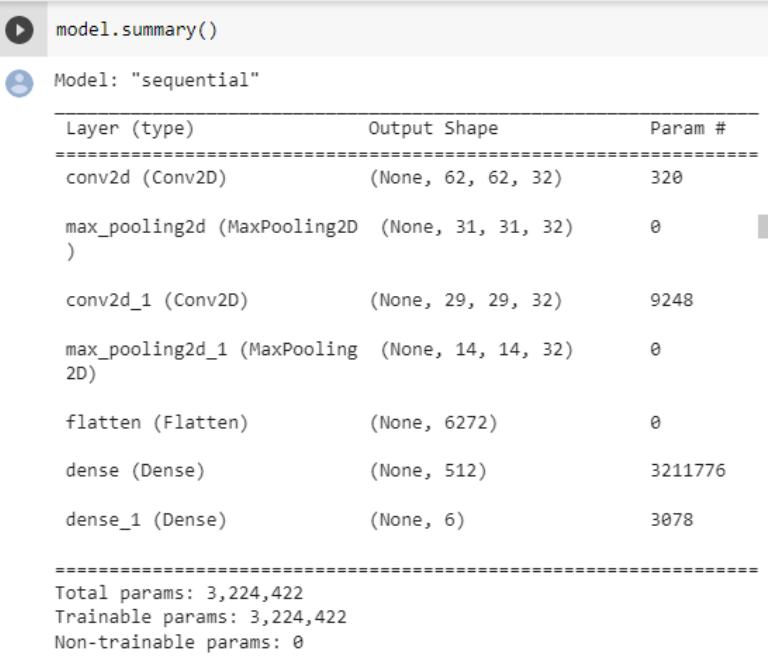


## Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID25369
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Image
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.summary()  Model: "sequential" ----- Layer (type)                Output Shape              Param # ----- conv2d (Conv2D)              (None, 62, 62, 32)        320 max_pooling2d (MaxPooling2D) (None, 31, 31, 32)         0 conv2d_1 (Conv2D)             (None, 29, 29, 32)        9248 max_pooling2d_1 (MaxPooling2D) (None, 14, 14, 32)         0 flatten (Flatten)             (None, 6272)              0 dense (Dense)                 (None, 512)               3211776 dense_1 (Dense)               (None, 6)                  3078 ----- Total params: 3,224,422 Trainable params: 3,224,422 Non-trainable params: 0 </pre>

2.	Accuracy	<p>Training Accuracy - 0.9798</p> <p>Validation Accuracy - 0.9667</p>	<pre> Epoch 13/25 198/198 [=====] - 14s 70ms/step - loss: 0.0864 - accuracy: 0.9731 - val_loss: 0.2522 - val_accuracy: 0.9667 Epoch 14/25 198/198 [=====] - 15s 74ms/step - loss: 0.0518 - accuracy: 0.9781 - val_loss: 0.3543 - val_accuracy: 0.9333 Epoch 15/25 198/198 [=====] - 13s 66ms/step - loss: 0.0781 - accuracy: 0.9764 - val_loss: 0.3312 - val_accuracy: 0.9667 Epoch 16/25 198/198 [=====] - 13s 66ms/step - loss: 0.0487 - accuracy: 0.9832 - val_loss: 0.2124 - val_accuracy: 0.9667 Epoch 17/25 198/198 [=====] - 13s 66ms/step - loss: 0.0385 - accuracy: 0.9865 - val_loss: 0.2988 - val_accuracy: 0.9667 Epoch 18/25 198/198 [=====] - 13s 66ms/step - loss: 0.0573 - accuracy: 0.9832 - val_loss: 0.2565 - val_accuracy: 0.9667 Epoch 19/25 198/198 [=====] - 13s 66ms/step - loss: 0.0281 - accuracy: 0.9865 - val_loss: 0.2687 - val_accuracy: 0.9667 Epoch 20/25 198/198 [=====] - 13s 66ms/step - loss: 0.0581 - accuracy: 0.9848 - val_loss: 0.5327 - val_accuracy: 0.8667 Epoch 21/25 198/198 [=====] - 15s 74ms/step - loss: 0.0513 - accuracy: 0.9832 - val_loss: 0.3753 - val_accuracy: 0.9667 Epoch 22/25 198/198 [=====] - 13s 67ms/step - loss: 0.0369 - accuracy: 0.9882 - val_loss: 0.3396 - val_accuracy: 0.9667 Epoch 23/25 198/198 [=====] - 13s 68ms/step - loss: 0.0276 - accuracy: 0.9916 - val_loss: 0.4354 - val_accuracy: 0.9667 Epoch 24/25 198/198 [=====] - 15s 74ms/step - loss: 0.0752 - accuracy: 0.9897 - val_loss: 0.7543 - val_accuracy: 0.8667 Epoch 25/25 198/198 [=====] - 13s 67ms/step - loss: 0.0489 - accuracy: 0.9798 - val_loss: 0.2213 - val_accuracy: 0.9667 keras.callbacks.History at 0x7f47b5705d00 </pre>
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