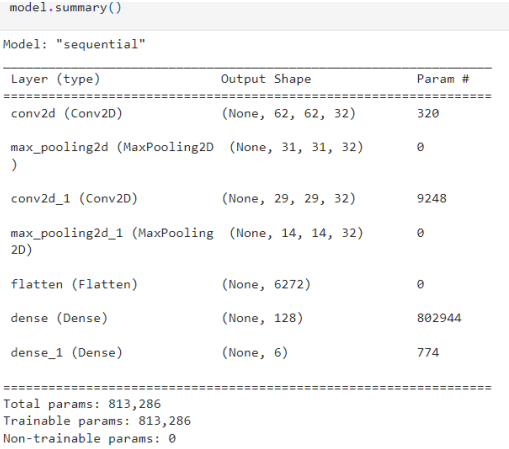


Project Development Phase Model Performance Test

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|---------------|---|
| Date | 18 Nov 2022 |
| Team ID | PNT2022TMID39604 |
| Project Name | Project-A Gesture Based Tool For Sterile Browsing of Radiology Images |
| Maximum Marks | 10 Marks |

Model Performance Testing:

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

| S.NO | Parameter | Values | Screen Shot |
|------|---------------|--|---|
| 1. | Model Summary | <pre> conv2d (Conv2D) - 320 max_pooling2d (MaxPooling2D) - 0 conv2d_1 (Conv2D) - 9248 max_pooling2d_1 (MaxPooling2D) - 0 flatten (Flatten) - 0 dense (Dense) - 802944 dense_1 (Dense) - 774 ===== Total params: 813,286 Trainable params: 813,286 Non-trainable params: 0 </pre> |  <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, 128) 802944 dense_1 (Dense) (None, 6) 774 ===== Total params: 813,286 Trainable params: 813,286 Non-trainable params: 0 </pre> |

| | | | |
|----|--------------------------------------|---|---|
| 2. | Accuracy | <p>Training Accuracy-99%</p> <p>Validation Accuracy-96%</p> | <pre> model.fit_generator(y_train, steps_per_epoch = 134/3 , epochs = 25, validation_data = y_test, validation_steps = 30/3) Epoch 1/25 138/130 [=====] - 7s 34ms/step - loss: 1.3144 - accuracy: 0.4798 - val_loss: 0.7614 - val_accuracy: 0.7000 Epoch 14/25 138/130 [=====] - 7s 34ms/step - loss: 0.8704 - accuracy: 0.5714 - val_loss: 0.4142 - val_accuracy: 0.9333 Epoch 15/25 138/130 [=====] - 7s 34ms/step - loss: 0.8749 - accuracy: 0.5697 - val_loss: 0.4670 - val_accuracy: 0.9667 Epoch 16/25 138/130 [=====] - 7s 34ms/step - loss: 0.8529 - accuracy: 0.5832 - val_loss: 0.3779 - val_accuracy: 0.9667 Epoch 17/25 138/130 [=====] - 7s 34ms/step - loss: 0.8412 - accuracy: 0.5899 - val_loss: 0.4024 - val_accuracy: 0.9000 Epoch 18/25 138/130 [=====] - 7s 35ms/step - loss: 0.8394 - accuracy: 0.5798 - val_loss: 0.2846 - val_accuracy: 0.9667 Epoch 19/25 138/130 [=====] - 7s 35ms/step - loss: 0.8070 - accuracy: 0.5747 - val_loss: 0.3575 - val_accuracy: 0.9667 Epoch 20/25 138/130 [=====] - 7s 34ms/step - loss: 0.8300 - accuracy: 0.5899 - val_loss: 0.3367 - val_accuracy: 0.9667 Epoch 21/25 138/130 [=====] - 7s 35ms/step - loss: 0.8381 - accuracy: 0.5865 - val_loss: 0.2932 - val_accuracy: 0.9333 Epoch 22/25 138/130 [=====] - 7s 35ms/step - loss: 0.8422 - accuracy: 0.5865 - val_loss: 0.5838 - val_accuracy: 0.8667 Epoch 23/25 138/130 [=====] - 7s 34ms/step - loss: 0.8219 - accuracy: 0.5865 - val_loss: 0.3459 - val_accuracy: 0.9667 Epoch 24/25 138/130 [=====] - 7s 35ms/step - loss: 0.8385 - accuracy: 0.5815 - val_loss: 0.3381 - val_accuracy: 0.9667 Epoch 25/25 138/130 [=====] - ETA: 0s - loss: 0.8138 - accuracy: 0.59 - 7s 34ms/step - loss: 0.8138 - accuracy: 0.9966 - val_loss: 0.2881 - val_accuracy: 0.9667 </pre> |
| 3. | Confidence Score(Only Yolo Projects) | <p>Class Detected-</p> <p>Confidence Score</p> | NA |