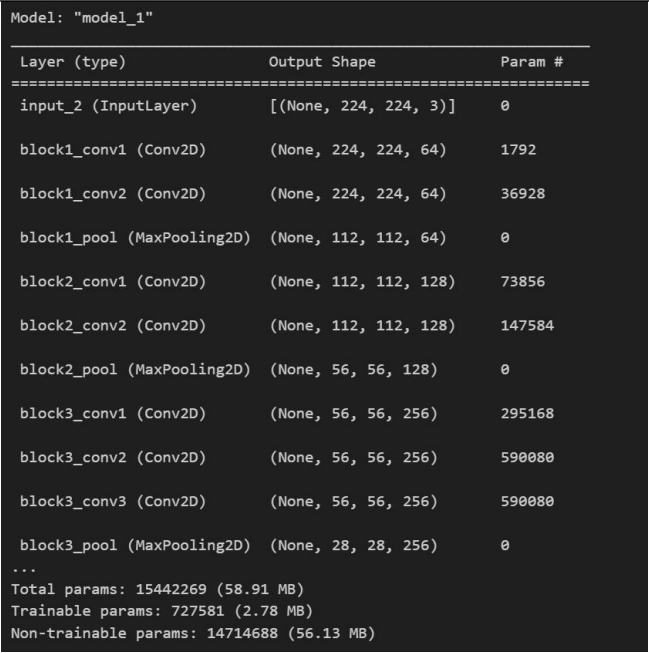
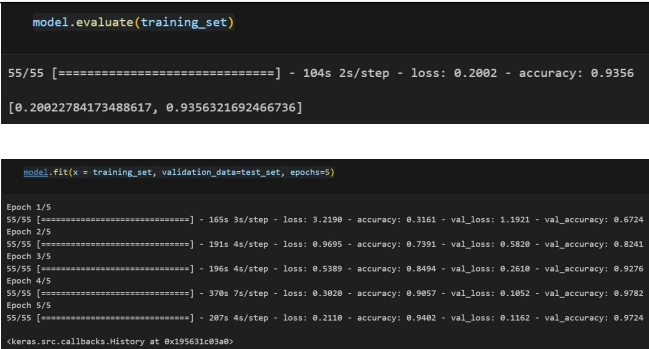


Project Development Phase Model Performance Test

Date	9 November 2023
Team ID	592675
Project Name	ASL – Alphabet Image Recognition
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_1" Layer (type) Output Shape Param # ===== input_2 (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 ... Total params: 15442269 (58.91 MB) Trainable params: 727581 (2.78 MB) Non-trainable params: 14714688 (56.13 MB) </pre>
2.	Accuracy	Training Accuracy - Validation Accuracy -	 <pre> model.evaluate(training_set) 55/55 [=====] - 104s 2s/step - loss: 0.2002 - accuracy: 0.9356 [0.20022784173488617, 0.9356321692466736] model.fit(x = training_set, validation_data=test_set, epochs=5) Epoch 1/5 55/55 [=====] - 165s 3s/step - loss: 3.2190 - accuracy: 0.3161 - val_loss: 1.1921 - val_accuracy: 0.6724 Epoch 2/5 55/55 [=====] - 191s 4s/step - loss: 0.9695 - accuracy: 0.7391 - val_loss: 0.5820 - val_accuracy: 0.8241 Epoch 3/5 55/55 [=====] - 196s 4s/step - loss: 0.5389 - accuracy: 0.8494 - val_loss: 0.2610 - val_accuracy: 0.9276 Epoch 4/5 55/55 [=====] - 370s 7s/step - loss: 0.3020 - accuracy: 0.9857 - val_loss: 0.1052 - val_accuracy: 0.9782 Epoch 5/5 55/55 [=====] - 207s 4s/step - loss: 0.2110 - accuracy: 0.9402 - val_loss: 0.1162 - val_accuracy: 0.9724 (keras.src.callbacks.History at 0x195631c03a0) </pre>