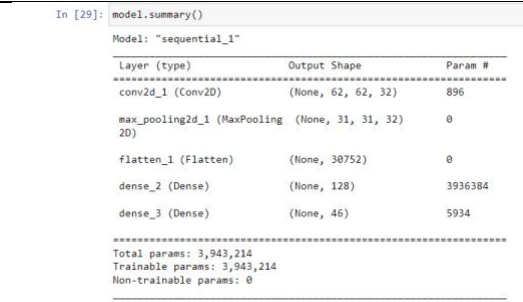
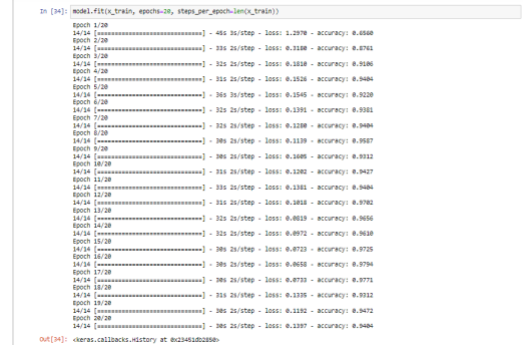


Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID52514
Project Name	Emerging Methods For Early Detection Of Forest Fires
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	Total programs: 896 Training Params: 896 Non-Training Params: 0	 <pre> In [29]: model.summary() Model: "sequential_1" _____ Layer (type) Output Shape Param # ----- conv2d_1 (Conv2D) (None, 62, 62, 32) 896 max_pooling2d_1 (MaxPooling (None, 31, 31, 32) 0 2D) flatten_1 (Flatten) (None, 30752) 0 dense_2 (Dense) (None, 128) 3936384 dense_3 (Dense) (None, 46) 5934 _____ Total params: 3,943,214 Trainable params: 3,943,214 Non-trainable params: 0 </pre>
2.	Accuracy	Training Accuracy - 65.60 Validation Accuracy – 94.04	 <pre> In [34]: model.fit(x_train, epochs=26, steps_per_epoch=len(x_train)) Epoch 1/26 1/14 [=====] - 456 2s/step - loss: 1.2979 - accuracy: 0.6560 Epoch 2/26 1/14 [=====] - 336 2s/step - loss: 0.3338 - accuracy: 0.8761 Epoch 3/26 1/14 [=====] - 322 2s/step - loss: 0.3858 - accuracy: 0.9186 Epoch 4/26 1/14 [=====] - 312 2s/step - loss: 0.3528 - accuracy: 0.9404 Epoch 5/26 1/14 [=====] - 362 2s/step - loss: 0.3565 - accuracy: 0.9228 Epoch 6/26 1/14 [=====] - 322 2s/step - loss: 0.3391 - accuracy: 0.9381 Epoch 7/26 1/14 [=====] - 322 2s/step - loss: 0.3288 - accuracy: 0.9404 Epoch 8/26 1/14 [=====] - 380 2s/step - loss: 0.3339 - accuracy: 0.9587 Epoch 9/26 1/14 [=====] - 380 2s/step - loss: 0.3485 - accuracy: 0.9312 Epoch 10/26 1/14 [=====] - 312 2s/step - loss: 0.3282 - accuracy: 0.9427 Epoch 11/26 1/14 [=====] - 312 2s/step - loss: 0.3361 - accuracy: 0.9782 Epoch 12/26 1/14 [=====] - 322 2s/step - loss: 0.3818 - accuracy: 0.9656 Epoch 13/26 1/14 [=====] - 322 2s/step - loss: 0.4972 - accuracy: 0.9638 Epoch 14/26 1/14 [=====] - 380 2s/step - loss: 0.4723 - accuracy: 0.9725 Epoch 15/26 1/14 [=====] - 380 2s/step - loss: 0.4658 - accuracy: 0.9794 Epoch 16/26 1/14 [=====] - 380 2s/step - loss: 0.4773 - accuracy: 0.9773 Epoch 17/26 1/14 [=====] - 312 2s/step - loss: 0.3335 - accuracy: 0.9583 Epoch 18/26 1/14 [=====] - 380 2s/step - loss: 0.3352 - accuracy: 0.9472 Epoch 19/26 1/14 [=====] - 380 2s/step - loss: 0.3397 - accuracy: 0.9404 Out[34]: <keras.callbacks.History at 0x345d2028> </pre>
3.	Confidence Score (Only Yolo Projects)	Class Detected - NA Confidence Score - NA	<p style="text-align: center;">-----</p>