Project Development Phase Model Performance Test

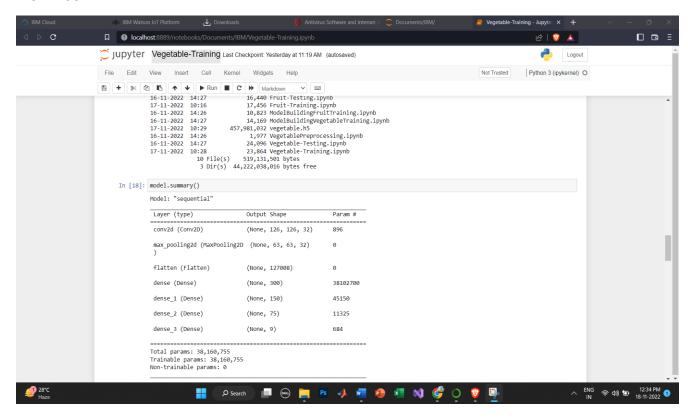
Date	10 November 2022
Team ID	PNT2022TMID08595
Project Name	Fertilizer Recommendation System For Disease
	Prediction
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1. Model Summary	Model Summary	Total params: 38,160,755 Trainable params: 38,160,755	In [18]: model.summary() Model: "sequential"
	Non-Trainable params: 0	<u></u>	
		Layer (type) Output Shape Param #	
			conv2d (Conv2D) (None, 126, 126, 32) 896
			max_pooling2d (MaxPooling2D (None, 63, 63, 32) 0)
			flatten (Flatten) (None, 127008) 0
			dense (Dense) (None, 300) 38102700
			dense_1 (Dense) (None, 150) 45150
			dense_2 (Dense) (None, 75) 11325
			dense_3 (Dense) (None, 9) 684
			Total params: 38,160,755 Trainable params: 38,160,755 Non-trainable params: 0
2.	Accuracy	Training Accuracy – 97.55	Fit the Model
		Validation Accuracy – 96.45	In [20]: model.fit generator(x_train,steps_per_epoch=160,validation_data=x_test,validation_steps=52,epochs=3)
			C:\u00edusers\u00edan\u00edusquata\u00edusq\u00edusquata\u00edusq\u00edusquata\u00edusq\u00edusquata\u00edusq\u00edusq\u00edus\u00e
			Epoch 1/3 168/168 [
			Out[20]: kberas.callbacks.History at @na894664f0>

MODEL SUMMARY:



ACCURACY:

