Project Development Phase Model Performance Test

Date	19 November 2022	
Team ID	PNT2022TMID14717	
Project Name	Fertilizers RecommendationSystem 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	Total params: 896 Trainable params: 896 Non-trainable params: 0	model.summary() Model: "sequential" Layer (type)
			Total params: 896 Trainable params: 896 Non-trainable params: 0
2.	Accuracy	Training Accuracy – 96.55 Validation Accuracy – 97.45	

Model Summary

```
model.summary()
```

Model: "sequential"

```
Layer (type)

Output Shape

Param #

conv2d (Conv2D)

(None, 126, 126, 32)

896

max_pooling2d (MaxPooling2D (None, 63, 63, 32)

flatten (Flatten)

(None, 127008)

O

Total params: 896

Trainable params: 896
```

Total params: 896 Trainable params: 896 Non-trainable params: 0

Accuracy

0.9745

```
0.8861
Epoch 2/10
0.9075
Epoch 3/10
225/225 [====
     0.9288
Epoch 4/10
225/225 [=========] - 84s 374ms/step - loss: 0.1576 - accuracy: 0.9463 - val loss: 0.2424 - val accuracy:
Epoch 5/10
225/225 [========] - 84s 372ms/step - loss: 0.1719 - accuracy: 0.9389 - val_loss: 0.1330 - val_accuracy:
0.9632
Epoch 6/10
225/225 [=============] - 85s 376ms/step - loss: 0.1240 - accuracy: 0.9580 - val loss: 0.1340 - val accuracy:
Epoch 7/10
0.9478
Epoch 8/10
0.9561
Epoch 9/10
0.9531
Epoch 10/10
```