Project Development Phase Model Performance Test

Date	18 November 2022		
Team ID	PNT2022TMID36381		
Project Name	Project-Fertilizers 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	Total params: 896 Trainable params: 896 Non-trainable params: 0	model.summary()
2.	Accuracy	Training Accuracy – 96.55 Validation Accuracy – 97.45	\$400.00 \$1

Model Summary

model.summary()

Model: "sequential"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 126, 126, 32)	896
<pre>max_pooling2d (MaxPooling2D)</pre>	(None, 63, 63, 32)	0
flatten (Flatten)	(None, 127008)	0

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

Accuracy

model.fit generator(x train, steps per epoch=len(x train), validation data=x test, validation steps=len(x test), epochs=10)

```
Epoch 1/10
0.8861
Epoch 2/10
     =========] - 88s 393ms/step - loss: 0.2825 - accuracy: 0.9042 - val_loss: 0.3015 - val_accuracy:
225/225 [==:
0.9075
Epoch 3/10
Epoch 4/10
0.9164
Epoch 5/10
0.9632
Epoch 6/10
  225/225 [==
0.9573
Epoch 7/10
    225/225 [==
0.9478
Epoch 8/10
0.9561
Epoch 9/10
0.9531
Epoch 10/10
0.9745
```