## Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID38182
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	Nodel:summery()  Pedel: "unquertial"  Layer (type) Output Shape Farms #  corw2d (Corw2d) (None, 126, 126, 32) 806  max_pooling2d (MaxPooling2D (None, 65, 65, 52) 8 )  flatter (Platter) (None, 127088) 8  Total params: 806  TraineDie params: 806 Non-traineDie params: 8
2.	Accuracy	Training Accuracy – 96.55  Validation Accuracy – 97.45	Column   C

# **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)	0
flatten (Flatten)	(None, 127008)	0

Trainable params: 896 Non-trainable params: 0

#### Accuracy

```
modei.tit generator(x train, steps per epoch=len(x train), validation data=x test, validation steps=len(x test), epochs=10)
```

C:\Users\Sree Ram\AppData\Local\Temp\ipykernel 13228\1582812018.py:1: UserWarning: "Model.fit generator" is deprecated and will be removed in a future version. Please use 'Model.fit', which supports generators.

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
Epoch 3/10
0.9288
Epoch 4/18
0.9164
Epoch 5/10
0.9632
Epoch 6/10
0.9573
Epoch 7/10
0.9478
Epoch 8/10
225/225 [ -----
   0.9561
Epoch 9/10
225/225 [ ------
  0.9531
Epoch 10/10
0.9745
```