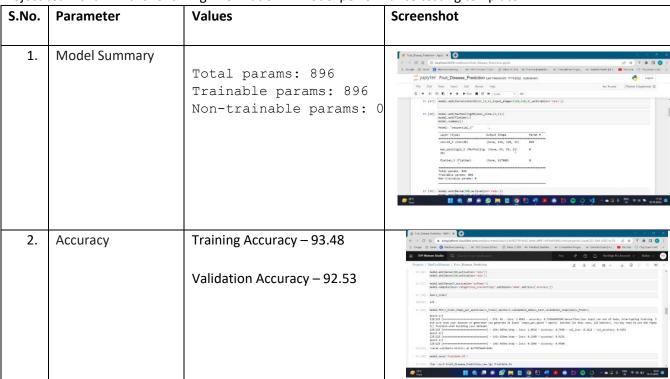
### Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID00086
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.



# **Model Summary**

## **Accuracy**

#### model.fit 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
225/225 [=========] - 96s 425ms/step - loss: 1.1095 - accuracy: 0.7829 - val_loss: 0.3157 - val_accuracy:
0.8861
Epoch 2/10
225/225 [==========] - 88s 393ms/step - loss: 0.2825 - accuracy: 0.9042 - val loss: 0.3015 - val accuracy:
0.9075
Epoch 3/10
0.9288
Epoch 4/10
225/225 [============] - 84s 374ms/step - loss: 0.1576 - accuracy: 0.9463 - val_loss: 0.2424 - val_accuracy:
0.9164
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:
0.9573
Epoch 7/10
225/225 [===========] - 87s 388ms/step - loss: 0.1235 - accuracy: 0.9591 - val_loss: 0.1638 - val_accuracy:
0.9478
Epoch 8/10
225/225 [==========] - 83s 371ms/step - loss: 0.1012 - accuracy: 0.9643 - val loss: 0.1468 - val accuracy:
0.9561
Epoch 9/10
225/225 [==========] - 83s 367ms/step - loss: 0.0967 - accuracy: 0.9655 - val loss: 0.1412 - val accuracy:
0.9531
Epoch 10/10
225/225 [==========] - 83s 369ms/step - loss: 0.0954 - accuracy: 0.9655 - val loss: 0.0905 - val accuracy:
0.9745
```