

# Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID33189
Project Name	Fertilizers recommendation system for disease prediction
Maximum Marks	10 Marks

## Model Performance Testing:

S.No.	Parameter	Values	Screen Shot
1.	Model Summary	<b>Total Params:896</b> Trainable Params:896 Non-Trainable Params:0	<pre>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  Total params: 896 Trainable params: 896 Non-trainable params: 0</pre>
2.	Accuracy	<b>Training Accuracy = 90.3</b>  <b>Valuation Accuracy = 89.62</b>	<pre>Epoch 1/10 100 - val_loss: 0.8263 - val_accuracy: 0.8968 Epoch 2/10 100 - val_loss: 0.3380 - val_accuracy: 0.9562 Epoch 3/10 100 - val_loss: 0.2605 - val_accuracy: 0.9045 Epoch 4/10 100 - val_loss: 0.2080 - val_accuracy: 0.9241 Epoch 5/10 100 - val_loss: 0.1579 - val_accuracy: 0.9420 Epoch 6/10 100 - val_loss: 0.2502 - val_accuracy: 0.9217 Epoch 7/10 100 - val_loss: 0.1692 - val_accuracy: 0.9466 Epoch 8/10 100 - val_loss: 0.1125 - val_accuracy: 0.9597 Epoch 9/10 100 - val_loss: 0.1007 - val_accuracy: 0.9662 Epoch 10/10 100 - val_loss: 0.0999 - val_accuracy: 0.9662</pre>
3.	Confidence Score (Only Yolo Projects)	Class Detected - NA  Confidence Score - NA	