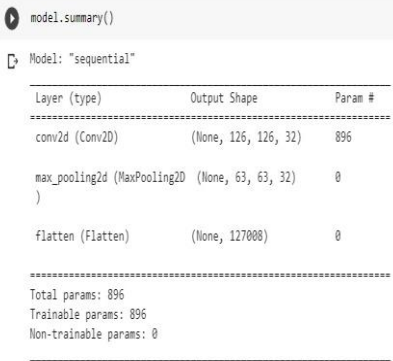



Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID48071
Project Name	Project – Fertilizer 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	<p>Total params: 896</p> <p>Trainable params: 896</p> <p>Non-trainable Params: 0</p>	 <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	<p>Training Accuracy – 96.17</p> <p>Validation Accuracy -97.16</p>	 <pre> Epoch 1/10 169/169 [=====] - 60s 340ms/step - loss: 0.5777 - accuracy: 0.8159 - val_loss: 58.4853 - val_accuracy: 0.8743 Epoch 2/10 169/169 [=====] - 60s 355ms/step - loss: 0.2306 - accuracy: 0.9238 - val_loss: 79.0284 - val_accuracy: 0.8256 Epoch 3/10 169/169 [=====] - 59s 340ms/step - loss: 0.2085 - accuracy: 0.9383 - val_loss: 88.8382 - val_accuracy: 0.8482 Epoch 4/10 169/169 [=====] - 59s 358ms/step - loss: 0.1837 - accuracy: 0.9393 - val_loss: 138.4356 - val_accuracy: 0.7378 Epoch 5/10 169/169 [=====] - 60s 352ms/step - loss: 0.1399 - accuracy: 0.9517 - val_loss: 186.6994 - val_accuracy: 0.7888 Epoch 6/10 169/169 [=====] - 59s 347ms/step - loss: 0.1489 - accuracy: 0.9528 - val_loss: 161.3217 - val_accuracy: 0.7936 Epoch 7/10 169/169 [=====] - 59s 346ms/step - loss: 0.1384 - accuracy: 0.9538 - val_loss: 153.2852 - val_accuracy: 0.7426 Epoch 8/10 169/169 [=====] - 59s 346ms/step - loss: 0.1222 - accuracy: 0.9565 - val_loss: 140.2551 - val_accuracy: 0.6758 Epoch 9/10 169/169 [=====] - 59s 347ms/step - loss: 0.0958 - accuracy: 0.9705 - val_loss: 138.5283 - val_accuracy: 0.6975 Epoch 10/10 169/169 [=====] - 59s 346ms/step - loss: 0.1131 - accuracy: 0.9617 - val_loss: 423.7748 - val_accuracy: 0.7153 <keras.callbacks.History at 0x7fa09427fc00> </pre>