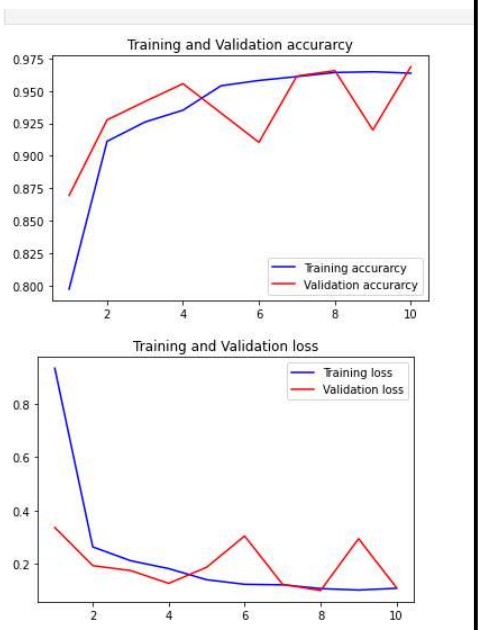
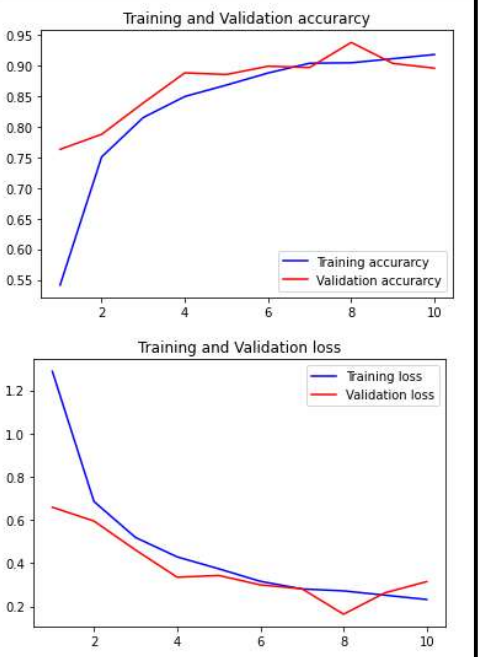
Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID30319
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	**Fruit :** Convolutional Layer - 896 Max Pooling Layer - 0 Fatten Layer - 0 Dense Layer - 38102700 Dense 1 - 45150 Dense 2 - 906 **Vegetable :** Convolutional Layer - 896 Max Pooling Layer - 0 Convolutional Layer 2 - 9248 Max Pooling Layer 2 - 0 Fatten Layer - 0 Dense Layer - 8640300 Dense 1 - 45150 Dense 2 - 1359	**Fruit :** 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 dense (Dense) (None, 300) 38102700 dense_1 (Dense) (None, 150) 45150 dense_2 (Dense) (None, 6) 906 Total params: 38,149,652 Trainable params: 38,149,652 Non-trainable params: 0 **Vegetable :** Model: "sequential" Layer (type) Output Shape Param # conv2d (Conv2D) (None, 126, 126, 32) 896 max_pooling2d (MaxPooling2D (None, 63, 63, 32) 0) conv2d_1 (Conv2D) (None, 61, 61, 32) 9248 max_pooling2d_1 (MaxPooling (None, 30, 30, 32) 0 2D) flatten (Flatten) (None, 28800) 0 dense (Dense) (None, 300) 8640300 dense_1 (Dense) (None, 150) 45150 dense_2 (Dense) (None, 9) 1359 Total params: 8,696,953 Trainable params: 8,696,953 Non-trainable params: 0

2.	Accuracy	**Fruit :** Training Accuracy - 97.1 Testing Accuracy - 97.9 **Vegetable :** Training Accuracy - 89 Testing Accuracy - 89.5	**Fruit :**  **Vegetable :**