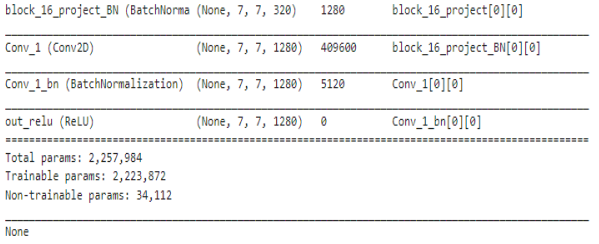
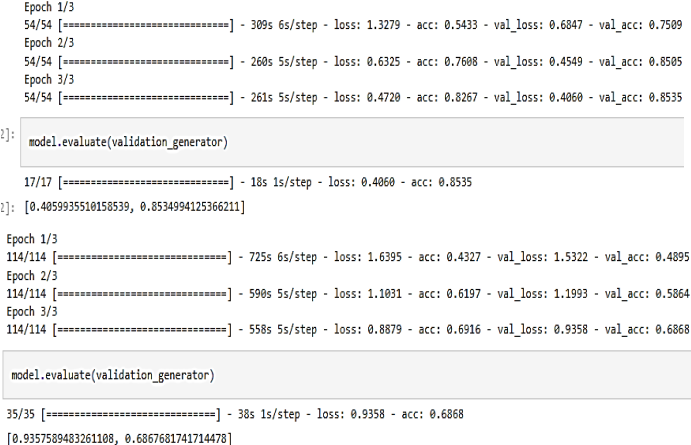


Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID03970
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	-Total params: 2,257,984 -Trainable params: 2,223,872 -Non-trainable params: 34,112	Fruit and Vegetable disease prediction Model (MobileNetV2)  <p>block_16_project_BN (BatchNorma (None, 7, 7, 320) 1280 block_16_project[0][0] Conv_1 (Conv2D) (None, 7, 7, 1280) 409600 block_16_project_BN[0][0] Conv_1_bn (BatchNormalization) (None, 7, 7, 1280) 5120 Conv_1[0][0] out_relu (ReLU) (None, 7, 7, 1280) 0 Conv_1_bn[0][0] ===== Total params: 2,257,984 Trainable params: 2,223,872 Non-trainable params: 34,112 ===== None</p>
2.	Accuracy	Training Accuracy - -Fruit disease prediction 82.67% -Vegetable disease prediction 69.16% Validation Accuracy – -Fruit disease prediction 85.35% -Vegetable disease prediction 68.68%	Fruit disease prediction Model & vegetable disease prediction model  <p>Epoch 1/3 54/54 [=====] - 309s 6s/step - loss: 1.3279 - acc: 0.5433 - val_loss: 0.6847 - val_acc: 0.7509 Epoch 2/3 54/54 [=====] - 260s 5s/step - loss: 0.6325 - acc: 0.7608 - val_loss: 0.4549 - val_acc: 0.8505 Epoch 3/3 54/54 [=====] - 261s 5s/step - loss: 0.4720 - acc: 0.8267 - val_loss: 0.4060 - val_acc: 0.8535 ?]: model.evaluate(validation_generator) 17/17 [=====] - 18s 1s/step - loss: 0.4060 - acc: 0.8535 ?]: [0.4059935510158539, 0.8534994125366211] Epoch 1/3 114/114 [=====] - 725s 6s/step - loss: 1.6395 - acc: 0.4327 - val_loss: 1.5322 - val_acc: 0.4895 Epoch 2/3 114/114 [=====] - 590s 5s/step - loss: 1.1031 - acc: 0.6197 - val_loss: 1.1993 - val_acc: 0.5864 Epoch 3/3 114/114 [=====] - 558s 5s/step - loss: 0.8879 - acc: 0.6916 - val_loss: 0.9358 - val_acc: 0.6868 model.evaluate(validation_generator) 35/35 [=====] - 30s 1s/step - loss: 0.9358 - acc: 0.6868 [0.9357589483261108, 0.6867681741714478]</p>