## Project Development Phase Model Performance Test

Date	09 November 2022
Team ID	592396
Project Name	Project –Potato Disease Classification
Maximum Marks	10 Marks

## **Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.	Paramet	Values	Screenshot		
N	er				
ο.					
1.	Model	Model: "sequential_2" Layer (type) Output Shape	Model: "sequential_2"		
	Param # sequential (Sequential) (32, 256, 256, 3) 0 conv2d (Conv2D) (32, 254, 254, 32) 896 max_pooling2d (MaxPooling2 (32, 127, 127, 32) 0	Layer (type)	Output Shape	Param #	
			sequential (Sequential)	(32, 256, 256, 3)	0
			conv2d (Conv2D)	(32, 254, 254, 32)	896
			<pre>max_pooling2d (MaxPooling2 D)</pre>	(32, 127, 127, 32)	0
		conv2d_1 (Conv2D) (32, 125, 125, 64) 18496	conv2d_1 (Conv2D)	(32, 125, 125, 64)	18496
		max_pooling2d_1 (MaxPoolin (32, 62, 62, 64) 0	<pre>max_pooling2d_1 (MaxPoolin g2D)</pre>	(32, 62, 62, 64)	0
		g2D) conv2d_2 (Conv2D) (32, 60, 60, 64)	conv2d_2 (Conv2D)	(32, 60, 60, 64)	36928
	36928 max_pooling2d_2 (MaxPoolin (32, 30, 30, 64)	<pre>max_pooling2d_2 (MaxPoolin g2D)</pre>	(32, 30, 30, 64)	0	
		0 g2D)	conv2d_3 (Conv2D)	(32, 28, 28, 64)	36928
		conv2d_3 (Conv2D) (32, 28, 28, 64) 36928	<pre>max_pooling2d_3 (MaxPoolin g2D)</pre>	(32, 14, 14, 64)	0
		max_pooling2d_3 (MaxPoolin (32, 14, 14, 64) 0		(32, 12, 12, 64)	36928
		g2D) conv2d_4 (Conv2D) (32, 12, 12, 64) 36928	max_pooling2d_4 (MaxPoolin g2D)	(32, 6, 6, 64)	0
		max_pooling2d_4 (MaxPoolin (32, 6, 6, 64) 0	conv2d_5 (Conv2D)	(32, 4, 4, 64)	36928
		g2D)	<pre>max_pooling2d_5 (MaxPoolin g2D)</pre>	(32, 2, 2, 64)	0
		conv2d_5 (Conv2D) (32, 4, 4, 64) 36928 max_pooling2d_5 (MaxPoolin (32, 2, 2, 64)	flatten (Flatten)	(32, 256)	0
		0 g2D)	dense (Dense)	(32, 64)	16448
		flatten (Flatten) (32, 256) 0 dense (Dense) (32, 64) 16448	dense_1 (Dense)	(32, 3)	195

	dense_1 (Dense)	(32, 3)	195	
Accuracy	Training Accuracy	- 91.67		Epoch 1/10 54/54 [======] - 228s 4s/step - loss: 0.9325 - accuracy: 0.4566 - valloss: 0.8695 - valaccuracy: 0.4896
	Validation Accurac	cy - 88.02		Epoch 2/10 54/54 [====================================
				Epoch 4/10 54/54 [====================================
				Epoch 6/10 54/54 [====================================
				Epoch 8/10 54/54 [=======] - 2225 4s/step - loss: 0.2709 - accuracy: 0.8987 - val_loss: 0.3135 - val_accuracy: 0.8646 Epoch 9/10
				54/54   ===================================