Project Development Phase

Model Performance Testing

Date	19 November 2022
Team ID	PNT2022TMID21501
Project name	Fertilizers Recommendation System For
	Disease Prediction
Maximum Marks	10 Marks

Model Performance Testing: Fruit model

S.No	Parameter	Values	Screenshot				
1	Funit	Total					
1	Fruit	Total p					
	model	arams:	model.summary()				
	summary	5,082, 202	Model: "sequential"				
		Traina			Param # ========== 896		
			conv2d (Conv2D)	(None, 126, 126, 32)			
		ble par	<pre>max_pooling2d (MaxPooling2D)</pre>	(None, 63, 63, 32)	0		
		ams: 5, 082,20	flatten (Flatten)	(None, 127008)	0		
		2	dense (Dense)	(None, 40)	5080360		
		Non-tr	dense_1 (Dense)	(None, 20)	820		
		ainabl	dense_2 (Dense)	(None, 6)	126		
		e para ms: 0	Total params: 5,082,202 Trainable params: 5,082,202 Non-trainable params: 0				
2	Accuracy	Traini					
	J	ng acc	Epoch 1/3 168/168 [
		uracy-					
		0.8877					
		Validat					
		ion acc	<pre><keras.callbacks.history 0x20ae8ba33c8="" at=""></keras.callbacks.history></pre>				
		uracy-					
		0.7302					

Model Performance Testing : Vegetable model

S.No	Parameter	Values	Screenshot				
1	Vegetable model summary	Total p arams: 38,160 ,755 Traina ble par ams: 3 8,160, 755 Non-tr ainabl e para ms: 0	model.summary() Model: "sequential" Layer (type) conv2d (Conv2D) max_pooling2d (MaxPooling2D) flatten (Flatten) dense (Dense) dense_1 (Dense) dense_2 (Dense) dense_3 (Dense) Total params: 38,160,755 Trainable params: 38,160,755	(None, 126, 126, 32) (None, 63, 63, 32) (None, 127008) (None, 300) (None, 150) (None, 75) (None, 9)	896 0 38102700 45150 11325 684		
2	Accuracy	Traini ng acc uracy- 0.9744 Validat ion acc uracy- 0.7996	y: 0.7569 Epoch 2/6 138/138 [] - 95s 685ms/stc	ep - loss: 0.0863 - accuracy: 0.9698 - val_loss: 3588.3496 - val_accurac ep - loss: 0.0823 - accuracy: 0.9744 - val_loss: 3614.9036 - val_accurac tep - loss: 0.1203 - accuracy: 0.9626 - val_loss: 3540.5193 - val_accura tep - loss: 0.0764 - accuracy: 0.9737 - val_loss: 4707.6504 - val_accura tep - loss: 0.0967 - accuracy: 0.9692 - val_loss: 2704.9729 - val_accura ep - loss: 0.0762 - accuracy: 0.9721 - val_loss: 5017.3809 - val_accurac		