Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	Team-593093	
Project Name	Project – Eye Disease Prediction Using Deep Learning Project	
Maximum Marks	10 Marks	

S.N	Parameter	Values	Screenshot			
0.						
1.	Model Summary	Total params: 20,124,740 Trainable params: 100,356 Non-trainable params: 20,024,384	In [15]: model.summary()			
			Model: "model"			
			Layer (type) Output Shape Param #			
			input_1 (InputLayer) [(None, 224, 224, 3)] 0			
			block1_conv1 (Conv2D) (None, 224, 224, 64) 1792			
			block1_conv2 (Conv2D) (None, 224, 224, 64) 36928			
			block1_pool (MaxPooling2D) (None, 112, 112, 64) 0			
			block2_conv1 (Conv2D) (None, 112, 112, 128) 73856			
			block2_conv2 (Conv2D) (None, 112, 112, 128) 147584			
			block2_pool (MaxPooling2D) (None, 56, 56, 128) 0			
			block3_conv1 (Conv2D) (None, 56, 56, 256) 295168			
			block3_conv2 (Conv2D) (None, 56, 56, 256) 590080			
			block3_conv3 (Conv2D) (None, 56, 56, 256) 590080			
			block3_conv4 (Conv2D) (None, 56, 56, 256) 590080			
			block3_pool (MaxPooling2D) (None, 28, 28, 256) 0			
			block4_conv1 (Conv2D) (None, 28, 28, 512) 1180160			
			block4_conv2 (Conv2D) (None, 28, 28, 512) 2359808			
			block4_conv3 (Conv2D) (None, 28, 28, 512) 2359808			
			block4_conv4 (Conv2D) (None, 28, 28, 512) 2359808			
			block4_pool (MaxPooling2D) (None, 14, 14, 512) 0			
			block5_conv1 (Conv2D) (None, 14, 14, 512) 2359808			
			block5_conv2 (Conv2D) (None, 14, 14, 512) 2359808			
			block5_conv3 (Conv2D) (None, 14, 14, 512) 2359808			
			block5_conv4 (Conv2D) (None, 14, 14, 512) 2359808			
			block5_pool (MaxPooling2D) (None, 7, 7, 512) 0			
			flatten (Flatten) (None, 25088) 0			
			dense (Dense) (None, 4) 100356			
			Total params: 20,124,740 Trainable params: 100,356 Non-trainable params: 20,024,384			

2. Accuracy	Training Accuracy - 0.8983	in [27]: history-model.fit(trainset,validation_data-testset,epochs-50,steps_per_epoch-len(trainset),validation_steps-len(testset))
,	,	Epoch 1/50 53/53 [************************************
		45 Epoch 2/50
	Validation Accuracy -0.8130	53/53 [************************************
		53/53 [************************************
		Epoch 4/50 53/55 [
		Epoch 5/50 53/53 [************************************
		Epoch 6/50 53/53 [************************************
		51 Epoch 7/50 53/53 [********************] - 67s 1s/step - loss: 0.4208 - accuracy: 0.8351 - val loss: 0.4655 - val peccuracy: 0.81
		89 Epoch 8/50
		53/53 [************************************
		53/53 [************************************
		Epoch 10/50 53/53 [************************************
		Epoch 11/50 53/53 [************************************
		Epoch 12/50 53/53 [
		29 Epoch 13/50 53/53 [*****************] - 67s 1s/step - loss: 0.3483 - accuracy: 0.8591 - val_loss: 0.4632 - val_accuracy: 0.83
		43 Epoch 14/50
		53/33 [**********************************
		53/53 [************************************
		<pre>\$poch 16/50 53/55 [***********************************</pre>
		Epoch 17/50 53/53 [************************************
		Epoch 18/50 53/53 [************************************
		68 Epoch 32/50
		53/53 [************************************
		53/53 [************************************
		53/53 [====================================
		53/53 [
		53/53 [===========] - 66s 1s/step - loss: 0.2092 - accuracy: 0.8921 - val_loss: 0.5955 - val_accuracy: 0.78 82 Esoch 37/50
		\$3/53 [
		Epoch 38/50 53/53 [
		Epoch 39/50 53/53 [=========] - 66s 1s/step - loss: 0.2670 - accuracy: 0.8918 - val_loss: 0.5199 - val_accuracy: 0.80 47
		Epoch 40/50 53/53 [
		Epoch 41/50 53/53 [************************************
		Epoch 42/50 53/53 [************************************
		Epoch 43/50 53/53 [************************************
		Epoch 44/50 53/53 [====================================
		60 Epoch 45/50 53/53 [
		87 Epoch 46/50 53/53 [************************************
		97 Epoch 47/50 53/53 [************************************
		69 Epoch 48/50 53/53 [************************************
		35/35
		98 Epoch 50/50
		53/53 [************************************