Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	Team-592761
Project Name	Detection of COVID-19 from chest X-rays using
	Deep Learning
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot					
1.	Metrics	Classification Model:	Confusion Matrix: Confusion Matrix					
		Confusion Matrix, Accuracy Score & Classification Report	normal -	106	1	0		- 100
			Actual covid -	7	79	0		- 60 - 40
			virus -	3	1	77		-20
				normal	co ^{lid} Predicted	virus		0
			Accuracy Score:		redicted			
			(ormal covid virus		0.95 0.95 0.96	0.94 0.95 0.98	107 86 81
				uracy o avg d avg		0.96 0.96	0.96 0.96 0.96	274 274 274

			Classification Report: base_mobilenet_model = mobilenet_model.layers[2] #MobileNetV2 Architecture base_mobilenet_model.trainable = True #The MobileNet Model has 155 layers (the prediction layer inclusive) #Fine-tune from this layer onwards fine_tune_at = 120 #Freeze all the layers before the `fine_tune_at` layer for layer in base_mobilenet_model.layers[:fine_tune_at]:
			<pre>mobilenet_model.compile(optimizer = optimizer,</pre>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	Metrics Used: