Project Development Phase Model Performance Test

Date	5 November 2023	
Team ID	Team-591621	
Project Name	Project - Lip Reading using Deep Learning	
Maximum Marks	10 Marks	

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Total params: 8,471,924	Model: "sequential"
		Trainable params:	Layer (type) Output Shape Param #
		8,471,924 Non-trainable params: 0	conv3d (Conv3D) (None, 75, 46, 140, 128) 3584
			activation (Activation) (None, 75, 46, 140, 128) 0
			max_pooling3d (MaxPooling3D (None, 75, 23, 70, 128) 0)
			conv3d_1 (Conv3D) (None, 75, 23, 70, 256) 884992
			activation_1 (Activation) (None, 75, 23, 70, 256) 0
			max_pooling3d_1 (MaxPooling (None, 75, 11, 35, 256) 0 30)
			conv3d_2 (Conv3D) (None, 75, 11, 35, 75) 518475
			activation_2 (Activation) (None, 75, 11, 35, 75) 0
			\max_{0} pooling3d_2 (MaxPooling (None, 75, 5, 17, 75) θ 30)
			time_distributed (TimeDistr (None, 75, 6375) 0 ibuted)
			bidirectional (Bidirectiona (None, 75, 256) 6660096
			dropout (Dropout) (None, 75, 256) 0
			bidirectional_1 (Bidirectio (None, 75, 256) 394240 nal)
			dropout_1 (Dropout) (None, 75, 256) 0
			dense (Dense) (None, 75, 41) 10537
			Total params: 8,471,924 Trainable params: 8,471,924 Non-trainable params: 0
2.	Accuracy	Training Loss - 2.085	
l -·		Acc(approx) - 97.913	var = model.evaluate(test) [18] 3m 42.8s
		Λεε(αρρίολ) - 37.313	··· 50/50 [] - 223s 395ms/step - loss: 1.0027
			print(var)
		Validation Loss - 3.0027	print(var) [17]
		Acc (approx) - 96.8	1.0026825666427612
3.	Confidence Score (Only	Class Detected - NA	Not Applicable
	Yolo Projects)		
		Confidence Score - NA	