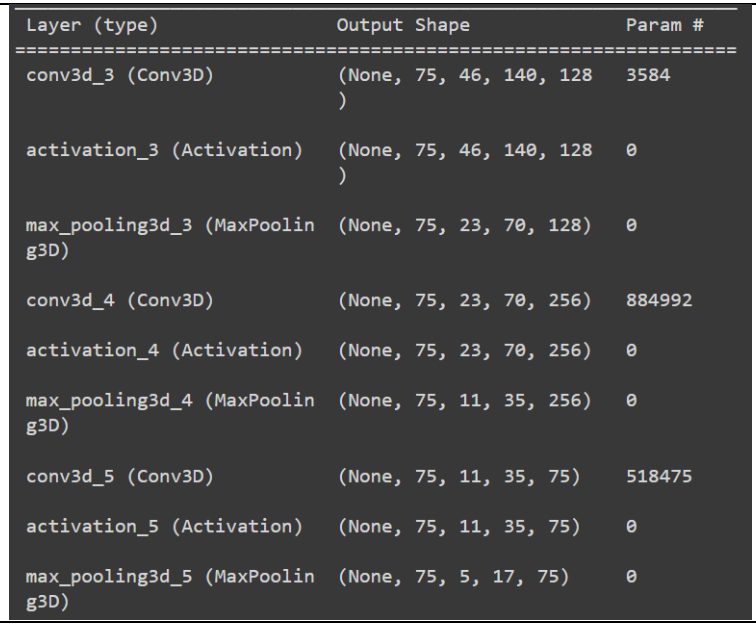
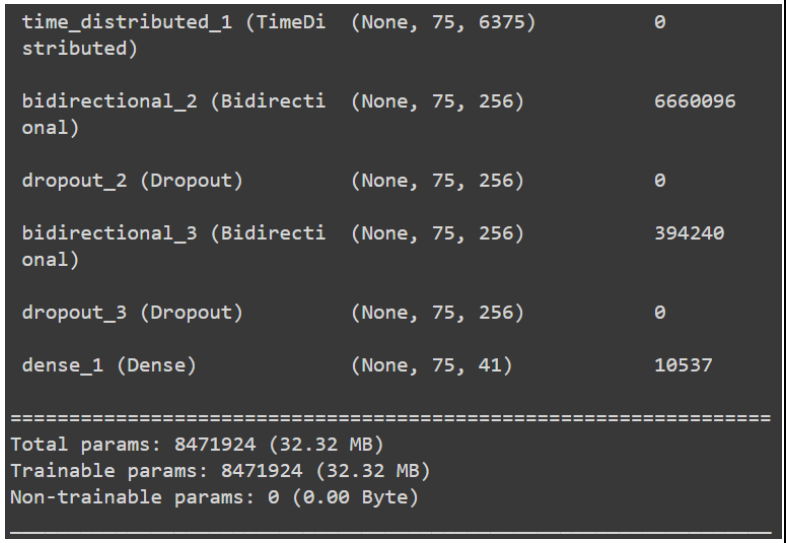
Project Development Phase
Model Performance Test

Date	9 November 2023
Team ID	592869
Project Name	Lip Reading using Deep Learning
Team Members	Madhav Sonu Kumar Gyaneshwer Jha Jodgudri Pratik Shivamurti

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Model: "sequential_1" _____ _____ Layer (type) Output Shape Param # ========== ========== conv3d_3 (Conv3D) (None, 75, 46, 140, 128 3584) activation_3 (Activation) (None, 75, 46, 140, 128 0) max_pooling3d_3 (MaxPoolin (None, 75, 23, 70, 128) 0 g3D) conv3d_4 (Conv3D) (None, 75, 23, 70, 256) 884992 activation_4 (Activation) (None, 75, 23, 70, 256) 0	

		max_pooling3d_4 (MaxPoolin (None, 75, 11, 35, 256) 0 g3D) conv3d_5 (Conv3D) (None, 75, 11, 35, 75) 518475 activation_5 (Activation) (None, 75, 11, 35, 75) 0 max_pooling3d_5 (MaxPoolin (None, 75, 5, 17, 75) 0 g3D) time_distributed_1 (TimeDi (None, 75, 6375) 0 stributed) bidirectional_2 (Bidirecti (None, 75, 256) 6660096 onal) dropout_2 (Dropout) (None, 75, 256) 0 bidirectional_3 (Bidirecti (None, 75, 256) 394240 onal) dropout_3 (Dropout) (None, 75, 256) 0 dense_1 (Dense) (None, 75, 41) 10537 ========== ========== Total params: 8471924 (32.32 MB) Trainable params: 8471924 (32.32 MB) Non-trainable params: 0 (0.00 Byte) _____ _____	
2.	Accuracy	Training Accuracy – 95.47% Validation Accuracy – 90.61%	