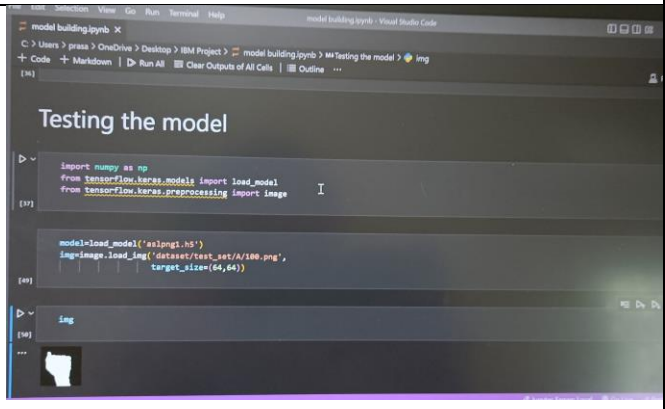
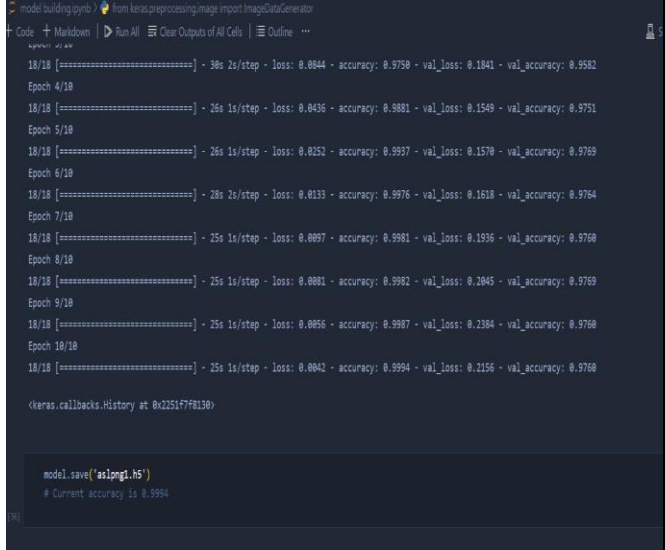


Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID39730
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Testing	-	 <pre> import numpy as np from tensorflow.keras.models import load_model from tensorflow.keras.preprocessing import image model=load_model('as1.png1.h5') img=image.load_img('dataset/test_set/A/100.png', target_size=(64,64)) img </pre>
2.	Accuracy	Training Accuracy - Validation Accuracy -	 <pre> 18/18 [=====] - 38s 2s/step - loss: 0.0844 - accuracy: 0.9758 - val_loss: 0.1841 - val_accuracy: 0.9582 Epoch 4/10 18/18 [=====] - 26s 1s/step - loss: 0.0436 - accuracy: 0.9881 - val_loss: 0.1549 - val_accuracy: 0.9751 Epoch 5/10 18/18 [=====] - 26s 1s/step - loss: 0.0252 - accuracy: 0.9937 - val_loss: 0.1578 - val_accuracy: 0.9769 Epoch 6/10 18/18 [=====] - 28s 2s/step - loss: 0.0133 - accuracy: 0.9976 - val_loss: 0.1618 - val_accuracy: 0.9764 Epoch 7/10 18/18 [=====] - 25s 1s/step - loss: 0.0097 - accuracy: 0.9981 - val_loss: 0.1936 - val_accuracy: 0.9768 Epoch 8/10 18/18 [=====] - 25s 1s/step - loss: 0.0081 - accuracy: 0.9982 - val_loss: 0.2045 - val_accuracy: 0.9769 Epoch 9/10 18/18 [=====] - 25s 1s/step - loss: 0.0056 - accuracy: 0.9987 - val_loss: 0.2384 - val_accuracy: 0.9768 Epoch 10/10 18/18 [=====] - 25s 1s/step - loss: 0.0042 - accuracy: 0.9994 - val_loss: 0.2156 - val_accuracy: 0.9768 <keras.callbacks.History at 0x2251f7f8138> model.save('as1.png1.h5') # Current accuracy is 0.9994 </pre>
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