Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID29964	
Project Name	Project – 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.			
		Convolution layer-	
	Model Summary	32, (3,3), activation="relu", input shape=(64,64,3)	
		Pooling layer-	
		MaxPooling2D(pool_size=(2,	
		2)	
		Dense layer-	
		200,activation='relu'	
2.			
	Accuracy	Training Accuracy - 0.9956	
		Validation Accuracy – 0.9756	

Model Summary Screenshot

```
Add The Convolution Layer

In [10]: model.add(Convolution2D(32,(3,3),activation="relu",input_shape=(64,64,3)))
#No of feature detectors, size of feature detector, image size, activation function

Add The Pooling Layer

In [11]: model.add(MaxPooling2D(pool_size=(2,2)))

Add The Flatten Layer

In [13]: model.add(Flatten())

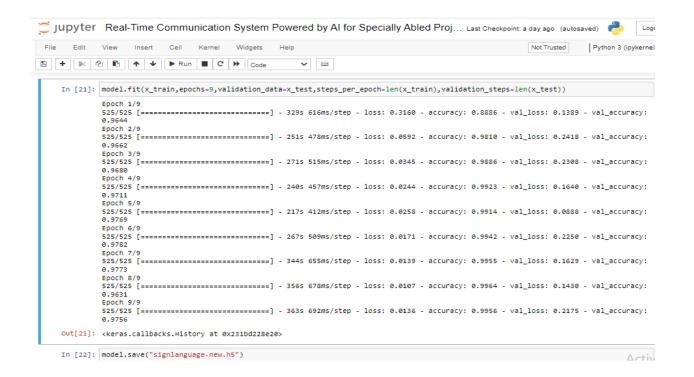
Adding The Dense Layers

In [14]: model.add(Dense(200,activation='relu'))

In [15]: model.add(Dense(200,activation='relu'))

In [16]: model.add(Dense(9,activation="softmax"))
```

Accuracy Screenshot



Application performance testing

