

Date	5 November 2022
Team ID	PNT2022TMID14463
Project Name	Real time Communication Powered by AI for specially abled
Maximum Marks	8 Marks

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    "train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip= True)\n",
    "test_datagen=ImageDataGenerator(rescale=1./255)"
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        "x_train =
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_mode='categorical',color_mode=\"grayscale\")"
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        import Dense\n",
        "from      keras.layers      import
        Convolution2D\n", "from  keras.layers
        import      MaxPooling2D\n",      "from
        keras.layers import Dropout\n",
        "from keras.layers import Flatten"
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    "model.add(Convolution2D(32,(3,3),input_shape=(64,64,1),
    activation='relu'))\n", "#no. of feature detectors, size of feature detector, image
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    "model.fit_generator(x_train,steps_per_epoch=24,epochs=10,validation_data = x_test,
validation_steps= 40)\n",
    "#steps_per_epoch = no. of train images//batch size"
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`Model.fit_generator` is deprecated and will be removed in a future version. Please use
`Model.fit`, which supports generators.\n",
        "\n\nEntry point for launching an IPython kernel.\n"
      ]
    },
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}

```


"Epoch 3/10\n",

"24/24 [=====] - 34s 1s/step - loss: 0.1448 - accuracy:
0.9615\n",

"Epoch 4/10\n",

"24/24 [=====] - 32s 1s/step - loss: 0.0958 - accuracy:
0.9746\n",

"Epoch 5/10\n",

"24/24 [=====] - 34s 1s/step - loss: 0.0679 - accuracy:
0.9826\n",

"Epoch 6/10\n",

"24/24 [=====] - 32s 1s/step - loss: 0.0424 - accuracy:
0.9909\n",

"Epoch 7/10\n",

"24/24 [=====] - 32s 1s/step - loss: 0.0373 - accuracy:
0.9908\n",

"Epoch 8/10\n",

"24/24 [=====] - 33s 1s/step - loss: 0.0319 - accuracy:
0.9915\n",

"Epoch 9/10\n",

"24/24 [=====] - 32s 1s/step - loss: 0.0235 - accuracy:
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"Epoch 10/10\n",

"24/24 [=====] - 32s 1s/step - loss: 0.0170 - accuracy:
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]

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