<u>Project Development Phase</u> <u>Project Development – Delivery of Sprint-4</u>

Date	16 November 2022
Team ID	PNT2022TMID00785
Project Name	Project - Real-Time Communication System
	Powered by AI For Specially Abled

IMPORTING FILES

import cv2

import pytesseract

import numpy as np

import os

from PIL import Image

import sys **DEFINING**

STRING:-

```
def get_string(img_path):
    # Read image with opencv
    img =
    cv2.imread(img_path)

# Convert to gray
    img = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)

# Apply dilation and erosion to remove some noise
```

kernel = np.ones((1, 1), np.uint - &

img = cv2.dilate(img, kernel, iterations=1)

```
img = cv2.erode(img, kernel, iterations=1)
  # Write the image after apply opency to do some ...
  cv2.imwrite("thres.png", img)
  # Recognize text with tesseract for python
  result = pytesseract.image_to_string(Image.open("thres.png"))
  os.remove("thres.png")
  return result
if name == ' main ':
  from sys import argv
  if len(argv)<2:
    print("Usage: python image-to-text.py relative-filepath")
  else:
    print('--- Start recognize text from image ---')
    for i in range(1,len(argv)):
      print(argv[i])
      print(get_string(argv[i]))
      print()
      print()
    print('---- Done
```

```
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import pytesseract
import numpy as np
import os
from PIL import Image
import sys
def get_string(img_path):
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if _name_ == '_main_':
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      if len(argv)<2:
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        print('-----')
```