PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT – DELIVERY OF

SPRINT-4

PNT2022TMID39801

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| Date | 15-November-2022 |
| Team ID | PNT2022TMID00782 |
| Project  Name | 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 opencv 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 ')

