



Department of Computer Science and Engineering (Data Science)

Subject: Image Processing and Computer Vision - II Laboratory (DJ19DSL702)

AY: 2024-25

Experiment 4

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(OCR for Text Recognition)

Aim: Identify text from images using OCR

Lab Assignments to complete in this session:

Dataset: Use sample images containing text.

The steps involved in the experiment are as follows:

1. Import Tesseract OCR and relevant libraries.
2. Apply Tesseract on the sample images.

Code:

```
!sudo apt install tesseract-ocr
!sudo apt install libtesseract-dev

!pip install pytesseract
!pip install Pillow

import pytesseract
from PIL import Image
import matplotlib.pyplot as plt
```



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```
# If Tesseract is not in your PATH, specify the full path to the
executable
# pytesseract.pytesseract.tesseract_cmd = r'C:\Program
Files\Tesseract-OCR\tesseract.exe'

# Load the image from file
image_path = '/content/note.jpg'
image = Image.open(image_path)

# Perform OCR on the image
text = pytesseract.image_to_string(image)

# Print the extracted text
print(text)

# Display the image
plt.imshow(image)
plt.axis('off') # Hide the axis
plt.show()
```



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output;

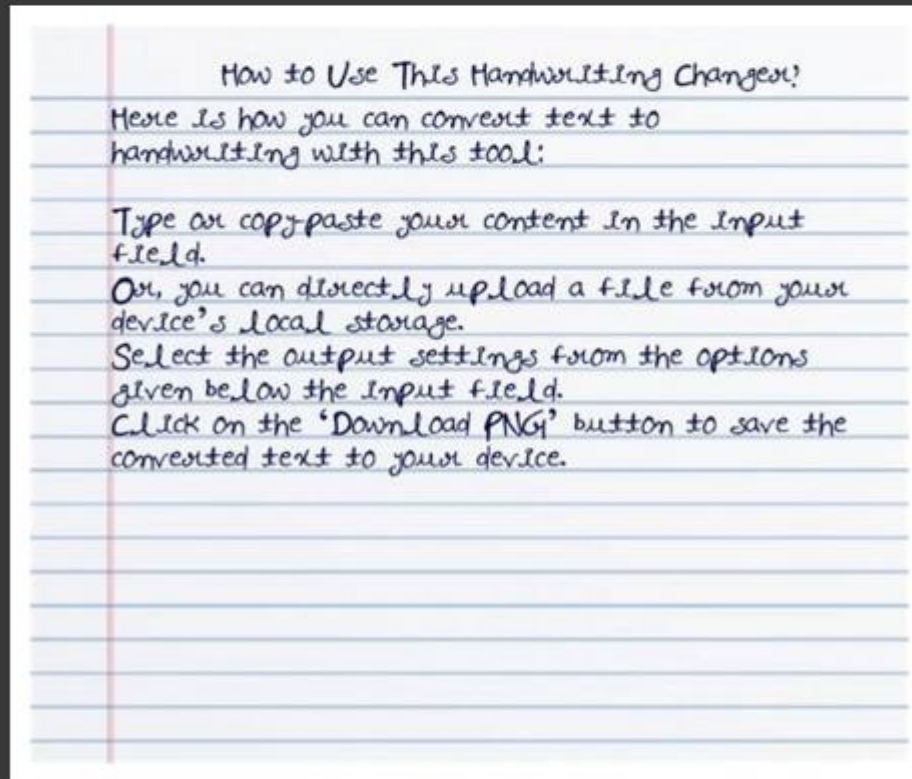
How to Use This Handwriting Converter?
Here is how you can convert text to
handwriting with this tool:

Type or copy paste your content in the Input
Field.

Or, you can directly upload a file from your
device's local storage.

Select the output settings from the options
given below the Input Field.

Click On the "Download PNG" button to save the
converted text to your device.





Shri Vile Parle Kelavani Mandal's

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