

Reg no: 16BIT0224

Name: Hariom Agrawal

Email: Hariom.agrawal2016@vitstudeent.ac.in

Mobile: +91-9977758832

Title: Improving OCR Accuracy

Software used:

Python 3.6.5 (64-bit)

Modules of Python:

1. OpenCV
2. Pandas
3. NumPy
4. Keras
5. Sklearn
6. Jupyter notebook

Software usage:

Open command prompt and install the following module by using these commands:

1. Pip install opencv-python
2. Pip install pandas
3. Pip install numpy
4. Pip install keras
5. Pip install sklearn
6. Pip install jupyter notebook

To run project:

1. Copy a dataset to specific folder and all the python files
2. Run pre-process.py (new folder will be generated)

3. Run `generating_csv.py` to create csv file
4. Run jupyter notebook and open `split.ipynb` to generate two csv file of training and testing
5. Run `cnn.ipynb` to train the model and test thee accuracy (this will take time of about 20 minutes depending upon the processor speed)
6. We can see the accuracy of the model printed at the last with all the epochs.