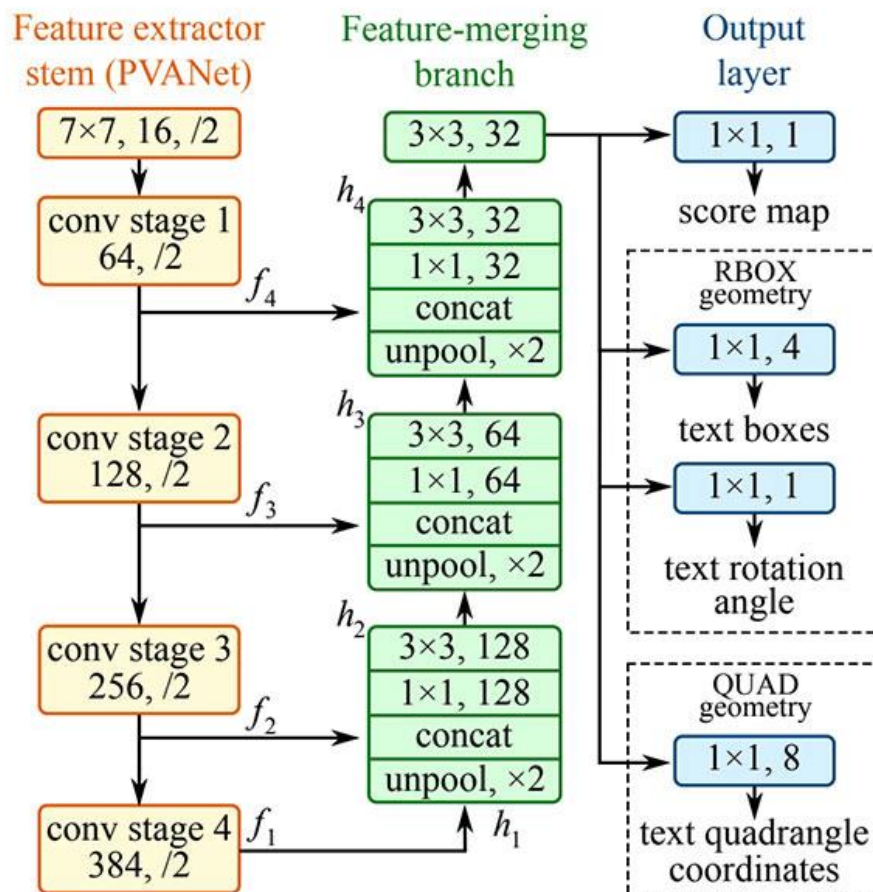


APPROACH

Requirements:

1. Softwares:
 - a. Tesseract (<https://github.com/UB-Mannheim/tesseract/wiki>)
 - b. Python 3
 - c. Ipython Notebook
2. Packages
 - a. Numpy
 - b. Pytesseract
 - c. Opencv 2
 - d. Matplotlib
 - e. Glob2
 - f. Imutils

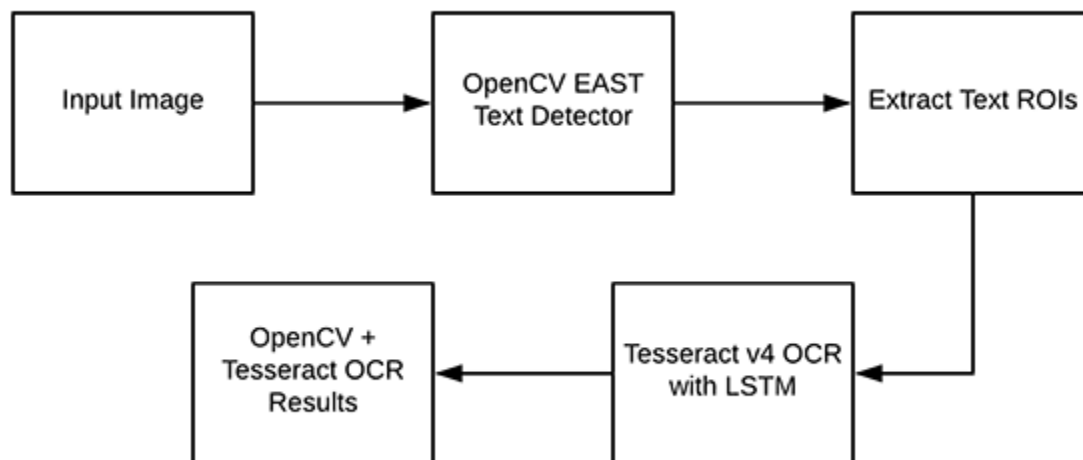
• The EAST Deep Learning text detector



EAST: Efficient and Accurate Scene Text detection pipeline.

Paper :- <https://arxiv.org/abs/1704.03155>

• TEXT Recognition using Tesseract



Files Information:

- **text_recogniton.py**

If we want to run python script through command line then we can use this file. Parameters are clearly define in the file.

Note: Please update the *pytesseract.pytesseract.tesseract cmd* according to the installation of the tesseract.

- **Image Case Study.ipynb**

This file are in 2 phases.

1. Text-Detection using EAST.
2. Text-Recognition using Tesseract.

- **frozen_east_text_detection.pb**

Pretrained EAST file for text-detection