

Real Time Text Detection and Recognition using Pytesseract

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Abstract: In this Research paper we are discussing the implementation of Real time Text Detection and Recognition using Google's Pytesseract. The Text detection and recognition in natural as well as in artificial scene images has variety of applications in computer vision systems like license plate detection, automatic street sign translation, image retrieval and help for visually impaired people. Here the important consideration like the Scene text may have complex background, blur image, variations in font-styles, image noise and varying illumination. So Detecting and Recognizing Real-time text is a stimulating computer vision problem. Here we are describing various steps required to extract text from any image file and store the extracted data in new text file. In this we are using CV2 OpenCV library with Python language is used for image processing and Tesseract is used for extracting text from the processed image..

Keywords: Text Detection, Text Recognition, image processing, Text Extraction, Computer Vision

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