Abstract

OCR (Optical Character Recognition) System works in the domain of Natural Language Processing and Image Processing. This is used to convert all the text information that is present in image form, to text format. Text is one of the most influential inventions of Humanity. The fertile and precise information incorporated in text is very useful in a wide range of applications that are computer-vision based, and hence text detection and recognition in natural scenes (e.g.: traffic sign boards, license plate, Hoardings and videos etc.) have become important and active research topics in computer vision and document analysis. This survey paper presents a review of various state-of-the-art techniques proposed for different processes (i.e. detection, localization, extraction, etc.) of text information processing in Images. Literature review can further serve as a good reference for researchers in the areas of scene text detection and recognition. The aim is to introduce the researchers to the latest trends in this area and to serve as a resource for developers who wish to integrate such solutions into their own work.

References


33. Z. Saidane, C. Garcia, and J. L. Dugelay, “The image Text Recognition Graph (iTRG)”, ICME, 2009, pp.266-269


Index Terms

Computer Science

Pattern Recognition
Keywords

Text Detection, Text Localization, Text Recognition, OCR