Abstract

In today’s world, we see many changes in a technology that reduces the typing time and typing mistake “Autocorrect”, which was very helpful for humans, but still we have to type manually for anything that we want to store in writing form. If the document or object is very long or continuously processed, typing it takes large time span, or if we have to type anything similar patterns frequently, automation should bring to reduce time and energy or eg. Number plate detection of vehicle on toll plaza, or big parking areas, on such places number plates of vehicle are manually filled to computers for further processing, this takes time. For Document scanning also manually typing is very time consuming, so document scanning is also
done by the help of text recognition using boundary analysis. Our project is based on boundary analysis and its application for text recognition. The first part of the project contains introduction of the image segmentation boundary analysis. In the rest of the part it contains some aspects of optimization of algorithms of the boundary analysis.

References

- A Contour Analysis Based Technique to Extract Objects using ACF & ICF.
- "A Contour Analysis Based Technique to Extract Objects for MPEG-4."
- "Boundary and texture Analysis for Image Segmentation" Jitendra Malik, Serge Belongie, Thomas Leung, Computer science division, University of California at Berkeley, CA 94720-1776, USA.

Index Terms

Computer Science Pattern Recognitions

Keywords

Contour analysis; Template generation; Boundary detection; Contour Analysis; Text Recognition