Abstract

This paper describes an efficient technique of locating and extracting license plate and recognizing each segmented character. The proposed model can be subdivided into four parts: Digitization of image, Edge Detection, Separation of characters and Template Matching. In this work, we propose a method which is based on morphological operations where different Structuring Elements (SE) are used to maximally eliminate non-plate region and enhance plate region. Character segmentation is done using Connected Component Analysis. Correlation based template matching technique is used for recognition of characters. This system is implemented using MATLAB7.4.0. The proposed system is mainly applicable to Indian License Plates.

References

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Index Terms

Computer Science
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Keywords
License plate  Edge Detection  Character Segmentation  Connected Component  Template  Analysis  Matching