Abstract

Automatic reading of number plate in vehicles is a character recognition system, which detects the characters from the segmented number plate of the vehicle image. The work presented in this paper is to segment the characters initially from the number plate followed by recognition of the segmented characters. The skew corrected and noise free number plate image is initially segmented into its constituent parts to obtain the characters individually through projection.
Automatic Reading of Vehicle Numbers from Number Plate

profile technique. Later the segmented individual characters are subjected to recognition using template matching technique. Experimentation is carried out to find the recognition efficiency from the segmented number plate of the vehicle image obtained under different environment conditions.

References

- Qian Gao, Xinnian Wang, Gongfu Xie; "License Plate Recognition Based On Prior Knowledge"; IEEE International Conference on Automation and Logistics, pp: 2964–2968

Index Terms

Computer Science

Pattern Recognition
Keywords
Number Plate  Segmentation  Projection Profile  Recognition  Template Matching