Abstract

An improved Template Matching algorithm is proposed to recognize license plate characters. The license plate recognition system has two main parts: Segmentation of license plate characters and Recognition of characters from the plate. Character Segmentation is performed using connected component analysis. For recognition of number plate, a new algorithm is proposed, which uses dynamically generated license plate characters as database template and recognition is done using correlation technique. The algorithm was tested with 100 images of Indian Vehicles taken under various background conditions. The experimental result shows that accuracy obtained is comparable to the best figures reported in literature.

References

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**Index Terms**

Computer Science  
Algorithms

**Keywords**

Correlation  
Template Matching  
Character Segmentation  
License Plate Recognition