Abstract

For an intelligent transport system license plate location and vehicle license plate recognition is an important phase. The objective of this work is to design & implement a method for Number Plate Recognition (NPR) of Kannada number plates. This paper presents a method of number plate recognition, segmentation & recognition of the characters present in the Kannada number plate. The images of various vehicles have been taken manually and converted into gray-scale images. The wiener2 filter is used to remove the noise located in the number plates. The segmentation of gray-scale image generated by finding edges using sobel filter for smoothing image is used to reduce the number of connected component & then bwlabel is used to calculate the connected component & at the last single character is detected. The result shows that the proposed method have achieved accuracy of 85%.

References

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Index Terms

Computer Science

Information Sciences

Keywords

Kannada Number Plate Recognition    Segmentation    Noise and Filter