Abstract

License Plate Recognizer is an efficient and effective system to identify the vehicles. In this paper we represent the simple and effective technique to identify the Indian license plate. This Proposed system consist three steps, first is extraction of license plate from a captured image by camera. Second step is segmentation of the character from number plate and extract. And the last step is recognizing the characters and display it informs of text. So in this paper for first step used technique is morphological operation, for second step we used histogram to extract the numbers. For recognition we used the template matching by cross correlation between extracted character and database. At last to display recognized number plate at long distance on the LCD display AVR microcontroller is used.

References

- "An Efficient Method of Vehicle License Plate Recognition Based on Sliding..."

- A New License Plate Recognition System Based on Probabilistic Neural Networks, Fikriye Öztürka, Figen Özena Cevikb, Halic University, Electrical and Electronics Engineering Department, ?ili, Istanbul, Turkey Procedia Technology 01/2012:1:124–128.


- A Vehicle License Plate Recognition System Based on Analysis of Maximally Stable Extremal Regions, Bo Li, Bin Tian, Qingming Yao, Kunfeng Wang., 978-1-4673-0390-3/12/$31. 00 ©2012 IEEE


- Artificial neural networks based vehicle license plate recognition H. Erdinc Kocera, K. Kursat Cevikb aSelcuk Uni. Technical Education Faculty, Konya 42250, Turkey bNigde Uni. Bor Vocational High School, Nigde 51700, Turkey

- Automated new license plate recognition in Egypt, M. A. Massoud *, M. Sabee, M. Gergais, R. Bakhit, Faculty of Engineering, El-Minia University, Egypt Received 2 August 2011; revised 20 January 2013; accepted 21 February 2013, Available online 26 March 2013

- An Efficient Method of Vehicle License Plate Recognition Based on Sliding Concentric Windows and Artificial Neural Network Kaushik Deba, Md. Ibrahim Khana, Anik Saha, and Kang-Hyun Job aFaculty of CSE, Chittagong University of Engineering and Technology (CUET), Chittagong-4349, Bangladesh Faculty of Electrical Engineering and Information Systems, University of Ulsan, Ulsan-680749, South Korea


Index Terms

Computer Science

Circuits And System

Keywords

License Plate Recognizer

Sobel Filter

Segmentation