Abstract

In this paper, a smart and simple algorithm is presented for Indian vehicle's license plate recognition system. This introductory paper describes the need of Indian license plate detection, recognition system, Indian license plate characters, Structure of Indian License plates, and License Plate image pre-processing methodologies. For extracting the license plate methods and such as to detect region - edge detection algorithms segmentation part-smearing methods, filtering and some morphological are used. At the end statistical based template matching is used in the part and of plate characters for page blocks Segmentation; other proposed techniques which are based on either a top-down or bottom-up approach. This thesis mainly concentrates on the part of IR-Image Character Segmentations. The performance of the proposed algorithm has been tested on several real time images and based on the experimental
results; our algorithm is robust and shows superior results over the existing algorithms.

References


Index Terms

Computer Science Image Processing
Keywords
License Plate Recognition (lpr)   Intelligent Transportation Systems (its)   Near Infrared (nir)   Shortwave Infrared (swir)   Forward-looking Infrared (flir).