Abstract

In the today scenario technological intelligence is a higher demand after commodity even in traffic-based systems. These intelligent systems do not only help in traffic monitoring but also in commuter safety, law enforcement and commercial applications. The proposed Saudi Arabia Vehicle License plate recognition system splits into three major parts, firstly extraction of a license plate region secondly segmentation of the plate characters and lastly recognition of each character. This act is quite challenging due to the multiformity of plate formats and the nonuniform outdoor illumination conditions during image collection. In this paper recognition of the license plates is achieved by the implementation of the Learning Vector Quantization artificial neural network. Their results are based upon their completeness in the Saudi Arabia Vehicle License plate character recognition and theirs have obtained encouraging results from proposed technique.

References


F. Noo, M. Defrise, R. Clackdoyle, and H. Kudo, "Image reconstruction from
The Kingdom of Saudi Arabia Vehicle License Plate Recognition using Learning Vector Quantization Artificial Neural Network


**Index Terms**

Computer Science \hspace{1cm} Artificial Intelligence

**Keywords**

Arabic Character Segmentation \hspace{1cm} Learning Vector Quantization Neural Network

Fan-Beam Feature Extraction

Vehicle License Plate

Extraction.