Abstract

The growing affluence of urban India has made the ownership of vehicles a necessity. This has resulted in an unexpected civic problem - that of traffic control and vehicle identification. Parking areas have become overstressed due to the growing numbers of vehicles on the roads today. The Automatic Number Plate Recognition System (ANPR) plays an important role in addressing these issues as its application ranges from parking admission to monitoring urban traffic and to tracking automobile thefts. There are numerous ANPR systems available today which are based on different methodologies. In this paper, we attempt to review the various techniques and their usage. The ANPR system has been implemented using template Matching and its accuracy was found to be 80.8% for Indian number plates.

References

1. Xiaojun Zhai, Faycal Bensaali, “Standard Definition ANPR System on FPGA and an Approach to Extend it to HD” in 2013 IEEE GCC Conference and exhibition, November 17-20,


Index Terms

Computer Science            Security

Keywords

Educational Institutions, Automatic Number Plate Recognition, Artificial Neural Networks, Template Matching.