Abstract

In this paper, the aim is to design a system which will efficiently assist in capturing motorists who break signals at a monitored traffic junction. Signal breaking is a big menace in India currently, and such a system is not in place in any Indian city. It is a major violation, accounting for 13,244 cases in the first 6 months of this year in the Indian City of Navi Mumbai, 65% more than the number of cases registered in the whole of 2013[1], causing traffic jams and a deadly threat, both for pedestrians and other motorists caught unaware by signal-jumpers. Hence this system of documenting traffic violations has much potential. The design of a prototypical system using components like a Passive Infrared (PIR) sensor, a digital camera module and an mbed FRDM-KL25Z platform is outlined in the paper. The system designed will enable the penalization of those who violate traffic laws.
Catching Moving Violations using Serial Communication

References

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Index Terms

Computer Science  Applied Sciences

Keywords

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Frdm-kl25z Platform