Abstract

In this paper image processing based intelligent traffic light control system is designed. Inductive loop method is mostly used for traffic detection. But it is physically large, hard to install and maintain. Present system has fixed timing for traffic control so the present traffic system is not much efficient to manage or control the traffic. Also inductive loops cannot communicate with each other. The wireless sensor network (WSN) has features like fault tolerance, scalability, real-time, and coordination. So the traffic light control system as per the traffic density with WSN has been designed in this paper. C++ programming language is used for simulation.

References


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**Index Terms**

Computer Science  
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WSN, image processing, C++ programming language