Abstract

Autopayment of toll tax is designed to solve the congestion problems faced around tollgate. The system works on the principal of RFID identification cards, wherein a user has to get a card (RFID) from the central authority which stores the information about the user like name, contact number, registration number, vehicle type etc. This enables the user to use these government assigned cards to pay the toll taxes for faster checkout time. The system is designed to automatically calculate the amount of toll tax for a particular vehicle based on the type of the vehicle. The user has access to a web interface where he can use the querying tools which will tell him about his commute and the number of funds left on his card. The web interface also facilitates in adding funds to the card so that the user does not have to go to the authorized center for recharging his card.

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Index Terms

Computer Science  Information Sciences

Keywords

Arduino Uno, RFID Reader, Automation, IOT, LCD, EM18, MySQL.