

## ABSTRACT

In modern era, development of transportation thing vast and give huge influence for people. The fastest development of transportation thing is car. But, it has negative influence. It is trafficjam on the street and the parking area.

Parking area is one of thing gets influence from development of transportation. On holiday, the big problem is parking area in building such as mall, hotel, etc. The problem is driver difficult finding empty slot for parking, but driver's billing increase of cost. That's very inflict for people. There for, doing it be practice, so in this final project will make SYSTEM SETTINGS PARKING USE INFRARED SENSOR AND DATABASE MYSQL. In this system, for driver, car parking make easier seeking slot parking area in building such as mall, hotel, etc. Because, it has parking slot display is empty and capacity.

This system has worked well, because parameter for read a quality level of system and prototype its good. The parameter is input from limit switch and output on led, and seven segment are fit. But, the MySQL database not succeeded yet connect to microcontroller. And for cost has been fit with calculation as is proper.

Keywords :parking area, Infrared censor, slot parking, seven segment, LED, MySQL, Microcontroller