

Automated Vehicle Parking System And Unauthorized Parking Detector

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Abstract— In this modern world, with the rapid growth of population vehicle traffic has become a part of our day to day life. Moreover, unauthorized vehicle has also increased. Thus our proposed system aims to ensure proper management of vehicles in the public places such as educational institute, office etc in order to prevent unauthorized vehicle parking and traffic. The features include detection of permitted and non-permitted vehicles on the main gate, detection of unauthorized vehicle parking in the restricted zone thus sending SMS to the authority to take action and taking fine from the vehicle user. Parking charge is also taken from the parked vehicles inside the parking lot before they leave. There are also parking lights which will be lit whenever a car enters a specific parking lot.

Keywords—RFID Reader, GSM Modem, SMS, IR Sensor Module, Alarm, Resistor, Visitor Counter, Automated Light, Unauthorized Parking Detection

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