

## **Abstract**

The increasing number of people who have a vehicle continues increasing the need for a parking lot as well. The number of vehicles that is more than available parking lot raises the number of vehicles parked in prohibited place or in the wrong place, such as road shoulders and even in prohibited parking areas. Therefore, in this final project we built a Prototype of Giving Warning To Vehicle Owner On Prohibited Parking Area Using SMS. The design of the prototype is expected to provide a deterrent effect to the offender who carelessly parked in prohibited area. Arduino microcontroller connected to a computer server, which is also connected with a buzzer and LED. If there are vehicles parked in a restricted area or prohibited parking area, buzzer and LED will be lit and there will be also appear a notification on the computer server. Based on the test results and the analysis that has been done, Prototype of Giving Warning To Vehicle Owner On Prohibited Parking Area Using SMS can be implemented. Seen from components and functionality that can be run properly

**Keywords:** parking offenders, actuator, microcontroller, arduino