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# Street Light Automation using WiFi Module

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**Abstract:** *In public applications, it is frequently necessary to conserve energy in order to lessen the strain on distribution towers and maximize the use of automated street lights. Because automated street lights use less energy because they are off throughout the day, power consumption is also reduced. A robotized structure called a "smart street light" automates traffic. The main goal of smart street lighting is to use less energy when there are no vehicles on the road. When there are vehicles on the road, the Smart Road Light will turn ON; otherwise, the lights are off.Today, everyone in the globe has it easier and simpler thanks to technological advancement. By using IR sensors to detect a moving vehicle and turning on a block of road lights in front of the vehicle, the Smart Road Light provides a solution for energy conservation and saving. The street lights naturally go out as the car passes by.*

**Keywords:** Smart Street Light, Cloud Server, Wifi , GPS

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