

Annotation

The diploma project is designed to implement a system of automatic control of road lighting. In the process of operation, led poles, a light sensor and a motion sensor are used. Road lighting is provided via an Arduino UNO Board based on the Atmega328P microcontroller. In this case, we can say that all operations installed on the Board will be performed in the Arduino IDE program. The operation principle, scheme, and device of the assembled device are described. In the direction of evaluating the automation system for controlling street lighting with an alternative power source.

This diploma project addresses the issues of life safety, calculated the payback period of the developed project and developed business plans.