INTELLIGENT OFFICE LIGHTING SYSTEM

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APPROVAL SHEET

This project report attached here to, entitle "*Intelligent Office lighting System*" by Muhammad Nasyriq Bin Abdullah, No.ID:2013408738 and Nor Fadzleen Qistina Binti Mohd fahmi Visuvanathan, No.ID:2013878552 in partial fulfillment of the requirements for the Diploma of Electrical Engineering are hereby accepted.

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ABSTRACT

This project was aimed to create a way to better save energy consumption by producing automatic lighting system. In light of this, we made a project, called "INTELLIGENT OFFICE LIGHTING SYSTEM", which was basically a setup of sensors and Arduino microcontroller in an enclosed room. We put sensors at the door to detect whether the door was open or closed. Another set of sensors, PIR motion sensors, are set around the room to detect human presence via movement. Together, these sensors were connected to the Arduino microcontroller which in turn controls the activation of the room lights. Fundamentally, a subject entering the room, opening the door and setting off the motion sensors will turn on the lights automatically. However, when the subject left the room, the light stayed on for 5 minutes before it went out as the sensors did not detect any motions produced inside the room.

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