

ABSTRACT

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The efficiency of the electrical energy consumption with time scheduling and the fixing of the maximum Consumption.

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(xvi + 90 + appendices)

In this research produced a system that can streamline electrical energy consumption by utilizing time scheduling and specify the number of an electrical energy used. This system consists of two automatic switch, where each of the switch is used to enable or disable the electronic equipment that is connected to the switch and the switch is controlled by a debt rescheduling or the multitude of an electrical energy used. The scheduling and the multitude under the unused energy controlled by Arduino microcontroller. Microcontroller is controlled by Android applications through Bluetooth devices. The Android application can schedule a time or how much energy is used. The scheduling or the announcement of the multitude of energy can be arranged randomly, but this system that has been specified scheduling loss when this system power loss. Many electrical loads that can be placed on this system relies on the maximum load on the current sensor, the fuse and automatic switch used.

Bibliography (2011-2017)