

ABSTRACT

To avoid wasting electricity, a system consisting of a single-board microcontroller was created which is integrated with the messenger application so that it can be operated via a smartphone. Through smartphones, users can set schedules so that electronic devices can move automatically and can find out how much electricity is used in electronic devices. Activities on electronic devices will be automatically saved on google spreadsheet in the form of an excel file that shows the time, event or activity.

Keywords: Arduino IDE, Smarthome, Telegram, Nodemcu, Electronic devices