SMART HOME ENERGY METER USING INTERNET OF THINGS

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ABSTRACT

Enhancement of technology makes the human daily life easier with the help of newly developed smart systems. This paper comprise the details about A Smart Electricity Energy meter using Arduino and ESP8266 Wi-Fi module through which a SMS/E mail is forwarded to the user. The energy used can be monitored at any time and from anywhere through a mobile application (energy meter app).An IFTTT platform is used to link the Wi-Fi and to send SMS/E-mail notifications. MQTT Dashboard Android App is to monitor our Energy uses. In addition to this we can set a threshold value as the level of our daily consumption and when the value is reached, we receive an alert. This helps us in managing our monthly budget.

Index Terms— IOT ,IFTT, MQTT, ESP8266