Abstract

The internet of things (IOT) is a term refer to the networking between computers, devices, sensors, and objects with each other using a communication technologies to simplify the human life in less human entry. The smart meter is one of the IOT applications, where the smart meter is a device are used to record the reading of the consumed electricity and sent it to the electricity provider remotely to solve the problems which resulted from the tradition way to read the meters. The aim of this paper is to present a design of a smart meter using a wireless technology. The idea of the presented design is to help the consumer to pay the electricity cost to the electricity provider by prepaid way. And to help the consumer to control and monitor the home appliances remotely by their phones. The presented meter also switch off the home appliances sequentially when the meter balance close to runout. GSM technology is used as a communication technology to transform the data between the meters, consumers, and the electric service provider.

References
Design a Prototype of a Smart Meter based IOT using GSM Technology


Index Terms

Computer Science Information Systems

Keywords

Arduino, Smart Meters, GSM technology, IOT, wireless technology