ABSTRACT

The dawn of Internet of Things (IoT) has started its journey for new era of smart and portable devices. IoT is regarded as hard-core for integrating various sensors, microcontrollers and all sorts of communication protocols and lays the foundation for futuristic communication standard i.e. Human-Things Interaction. The aim of this research paper is to highlight the concept of Internet of Things (IoT). An IoT based smart Energy Meter capable to perform various tasks like keeping a record of energy being used ,calculating the billing amount generated and also delivering the information to the user.

Smart Meter is equipped with GSM Module and Microcontroller for processing all the information and delivering it to various parts of the system. It is highly energy efficient because it does not operate on external power supply and uses only small part of the main supply and has huge potential for live implementations in Houses and remote areas where the officers concerned with the billing operations are not able to reach.

Keywords: Energy Meter, Microcontroller, GSM