

SMART ENERGY METER USING IOT

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Smart energy meters are the fundamental components in the energy networks. They are used to measure the energy flow and also exchange information on energy consumption between the electricity office and consumers. This paper proposes a network communication system for energy meter reading by internet technology. An IoT modem is integrated with electronic energy meter for the purpose of reading the electricity usage and uploading the reading details delivered by the energy meter on server or website instantly. These reading details are also sent as a message via GSM. This communication system is further used in electricity regional/sub-regional office to monitor the power consumption. The power supply can be blocked to the particular consumer who has not paid the electricity bill. Moreover, this power blocking system is activated by using the same website that is used for monitoring. In this system, each consumer is individually provided with a login id for the identification purpose. The officer makes use of the user id to monitor the reading and the payment details. The user can also monitor their electricity usage from anywhere using this login id.

