Research Article

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Internet of Things Energy Meter with Cost, Voltage and Current Monitoring System

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ABSTRACT
These days, it's difficult to observe and monitor your power usage for verification because it takes a lot of work to routinely check the meter room. It is vital to ascertain if you are being charged similarly in order to ensure that the necessity is met. We have, however, developed a technology that enables customers to keep an eye on energy meter readings via IOT. In order to monitor energy use, our suggested system combines an energy meter with a microcontroller system. The line voltage, current consumed, anticipated cost, and units consumed are all tracked by the meter. IoT Gecko is a straightforward web application that displays the live output of these readings over the IOT. This makes it possible for users to easily verify the units used, projected cost, line voltage, and current used live over the website from any location. The client can conveniently monitor power meter readings and check charges on IoTgecko.com with the help of the energy meter observation framework.

Keywords: Smart house, human activity prediction, machine learning, hidden Markov model.

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