

IoT ENERGY METER

ABSTRACT

In this project, IoT Based Electricity Energy Meter using ESP8266&Arduino monitor data on the Blynk Application. With the current technology, you need to go to the meter reading room and take down readings. Thus monitoring and keeping track records of your electricity consumption is a tedious task. To automate this, we can use the Internet of Things. The Internet of Things saves time and money by automating remote data collection. Energy Meter has received quite a lot of acclaim across the globe in recent years. We need to select the current sensor as well as the voltage sensor so that the current & voltage can be measured and thus we can know about the power consumption & total power consumed. The best current sensor and best voltage sensor. Using the Current Sensor&Voltage Sensor, we can measure the all required parameters needed for Electricity Energy Meter. We will interface the Current Sensor & Voltage Sensor with ESP8266 Wifi Module & Send the data to Blynk Application. The Blynk Application Dashboard will display the Voltage, Current, Power & total unit consumed in kWh

BLOCK DIAGRAM

