## **IJARSCT**



## International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 2, October 2023

## **Smart Energy Meter using IoT**

Shreyash Gawande<sup>1</sup> and R. M. Gharat<sup>2</sup>
Student, Diploma in Electronics Engineering<sup>1</sup>
Lecturer, Diploma in Electronics Engineering<sup>2</sup>
Dr. Panjabrao Deshmukh Polytechnic, Amravati, Maharashtra, India

Abstract: In recent times, internet of thing based applications are more efficient to provide solution regarding the real time problems. The labor involved in gathering energy utility meter readings. The Internet of Things (IoT) provides an efficient and cost-effective way to wirelessly send energy consumer information as well as monitor power use. In this paper we are presenting smart energy monitoring system, the main objective of our project is reduced manual efforts for measuring electricity by Internet and make the electrical appliance intelligence and provide consolation to consumer and also get reduction in electric bill.

Keywords: Current Sensor, Android Application (Rain Maker, Blynk),, ESP 32 dev Wi-Fi Module

## REFERENCES

- [1] K. Krishna reddy 1, n.v. kishore kumar 2, tanakanti vani3, p mohammad khan4, c bhaskar reddy5, p monika 6, t.sambhavi 7. Iot based smart energy meter monitoring and controlling system ISSN: 0974-5823 Vol. 7 No. 7 July, 2022
- [2] Abhiraj Prashant Hiwale1, Deepak Sudam Gaikwad2, Akshay Ashok Dongare3, Prathmesh Chandrakant Mhatre4 IOT BASED SMART ENERGY MONITORING Volume: 05 Issue: 03 | Mar-2018 www.irjet.net pISSN: 2395-0072
- [3] Md Redwanul Islam1, Supriya Sarker2, Md Shahraduan Mazumder3, Mehnaj Rahman Ranim4 An IoT based Real-time Low Cost Smart Energy Meter Monitoring System using Android Application International Journal of Engineering and Techniques Volume 5 Issue 3, June 2019
- [4] P.Janaki\*1 and K.Ramamoorthy2 Iot Based Energy Management System A Survey [Janaki, 3(11): November 2016] ISSN 2348 8034
- [5] Miguel Hernan Escobedo-Barajas1, Antonio del Rio de Santiago1, Hector Alonso Guerrero Osuna1 and Jose Manuel Ortiz-Rodriguez1,\_ IoT Based Smart Electrical Meter for Smart Homes published on 23 July 2020
- [6] D A Kirienko, P V Lunkov, V V Putrolaynen et al. Design of IoT Based Smart Energy Meter for Home Appliances 2021 J. Phys.: Conf. Ser. 1964 052001
- [7] Naziya Sulthana1\*, Rashmi N2, Prakyathi N Y3, Bhavana S4, K B Shiva Kumar, Smart Energy Meter and Monitoring System using IoT ISSN: 2278-0181 Published by, www.ijert.org NCETESFT 2020

DOI: 10.48175/IJARSCT-13502

