Abstract

The significant improvement in the information and communication Technology (ICT) increases various new needs. Electricity boards also has no exception but still there is only conventional way to measure the electricity bill i.e. assessing is done manually, which is an time consuming and expensive process and it requires lot of human effort. There are several
methods were proposed for this but still there is problem with the security over the unsecure channel. In this paper we proposed the cloud automation approach for secure electricity bill automation using GPRS and Web interface along with Elliptic Curve Crypto-Stegano Scheme which provides the better security over the unsecure channel and solves the problem of manual billing system without replacing the existing energy meter. The adoption of cloud computing greatly reduces the computing cost and makes easy for handling the billing operation. This project work can play a better role to make electricity bill measurement ICT enabled and also in delivering our vision of integrating technology towards a solution.

Reference

- Silicon PIN photo Diode Manual SD3421/5421, Honeywell.
- Silicon PIN Photodiode, RoHS Compliant, BPW34, BPW34S Vishay Semiconductors
- RP Photonics. Encyclopedia of Laser Physics and Technology
- Elliptic Curve Crypto Systems by Mugino Saeki, School of Computer Science, McGill University, Montreal
- General Packet Radio Service (source Wikipedia free encyclopedia)
- Introduction to Oracle 9i: SQL, Electronic presentation, 40049GC11 production 1.1 October 2001 D333996, Oracle Corporation.

Index Terms

Computer Science
Information Technology

Key words

Cloud computing  GPRS  Web interface
RF Transmitter

Elliptic Curve Crypto Stegano-Scheme