

A VISION OF ENERGY METER THROUGH GSM BASED COMMUNICATION

LEENA KUMARI SOREN & UPENDRA PRASAD

Department of Electrical B.I.T Sindri, Dhanbad, Jharkhand, India

ABSTRACT

This paper presents a digital vision of energy meter through GSM based communication which is bridge between electrical control, protection and GSM service. This project has wireless gateway as GSM based power recharge interface which contains a prepaid card equivalent to mobile SIM CARD. In this project current is measured through a circuit. The output of this circuit is combination of analog and digital circuit whose output is given to the microcontroller [89C51]. Main advantage of this approach is reduced power theft and eliminate billing delay. Necessary program for micro controllers are written in C language.

KEYWORDS: Smart Card, DTMF [Encoder and Decoder], Microcontroller [89C51], Voltage Comparator