

DESIGN OF AN INTELLIGENT SMS BASED REMOTE METERING SYSTEM

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Abstract

Automatic Meter Reading (AMR) is a state-of-the-art technology for reading electric, gas or water meter readings automatically from a remote place without any human intervention. The concept of 'automation' is the area of interest of researchers for decades. Remote control has gained importance in many industrial and domestic application scenarios. Remote metering promises fast and accurate billing system. In this paper, a technique for remotely reading electricity meter readings using Short Message Service (SMS) has been illustrated. Existing Global System for Mobile communications (GSM) networks have been used for sending and receiving SMS. A prototype of the system has been designed and developed for system exploration and experiment. The proposed remote control system works from anywhere in globe. This paper discusses about its implementation, its cost effectiveness, its reliability etc

Keywords: Automatic Meter Reading, Global System for Mobile communications, Short Message Service, remote

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