



AIUB DSpace Publication Details

Title:	Design and simulation of centralized load controlled automated power system network (CLCAPSN)		
Author(s) Name:	Kazi Ahmed Asif Fuad, Md. Maruf Ibne Hasan, Laila Nawsheen Manzoor, Mohammad Abdul Mannan, Chowdhury Akram Hossain		
Contact Email(s):	chowdhury.akram@aiub.edu		
Published Conference Name:	2015 IEEE International WIE Conference on Electrical and Computer Engineering (WIECON-ECE)		
Type of Publication:	Conference		
Volume:	N/A	Issue	N/A
Publisher:	IEEE		
Publication Date:	2015/12		
ISBN:	978-1-4673-8786-6		
DOI:	10.1109/WIECON-ECE.2015.7443999		
URL:	https://ieeexplore.ieee.org/abstract/document/7443999		
Other Related Info.:	61-64		



AIUB DSpace Publication Details

Abstract:

In this paper, we have proposed a new a structure of power system network which has a connection between central unit and user through GSM-GPRS internet protocol which provides us the opportunity to control the load. Load side device can work on the basis of information provided by central processing unit as a result we can implement different features such as prepaid billing with different billing rate for different types of electrical load, priority service, scheduled service etc. The central processing unit will be able to predict future demand as it will have all load usage of every individual user. Proposed transformer side device will be available be provide transformer protection as it monitors the status of the transformers. After implementing our proposed project `Power Theft' can be reduced as transformer side current information and load side information is available.