

SMART PREPAID ELECTRICITY SYSTEM



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UNDERTAKING

I certify that research work titled “*Smart Prepaid Electricity System*” is my own work. The work has not been presented elsewhere for assessment. Where material has been used from other sources it has been properly referred.

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DEDICATION

“We would like to thank our supervisor Engr. Muhammad Saim, our parents and friends who constantly encouraged and blessed us to do this work successfully. The true value of a teacher is determined not by what he knows, nor by his ability to impact what he knows, but by his ability to stimulate in others a desire to know. So, we want to say thanks to our Teachers.”

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ABSTRACT

In the course of recent years, smart devices have accomplished a developing acknowledgment as an effective instrument for security, recognizable proof, and approval. As of late, with the tremendous change we are seeing a great development in the quantity of web based smart devices and mobile devices, including smart telephones, remote PDAs and different virtual worlds empower electronic type of equipment's. Proficient and smart prepaid meters are likewise being utilized to give dependable metering and billing system. By doing so it disposes of various security and duty related issues. Number of countries such as USA, UK, Belgium, Germany and Iran and so forth are utilizing such meters for gas and power utilization. With a specific end goal to wipe out the need of month to month charging, billing collection and to make the conventional metering system more effective smart prepaid metering system is being proposed. In the framework proposed, we are using GSM module which keeps user informed about the activity status of the meter. NFC module and Prepaid card are being used as payment mechanism by using NFC reader and keypad respectively. By using LCD in the framework proposed, user will be well informed about the power consumption.

Keywords:

NFC, PDA's, GSM, Prepaid, Electric Meter

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