Electrical Billing System

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Project Guide
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1.Introduction

The project is a web based application where users can get instant electricity bill and pay them online via credit card. The system automates the conventional process of paying electricity bill by visiting the place. Users have to stand in queue for paying bill and wait for their turn. The process is tiresome and time consuming. They even have to wait for the bill being delivered to their place which sometimes can be delivered late by the delivery boy. Hence the system is developed to automate the electricity bill calculation and payment for user convenience. The system would be having two logins admin and user login. Admin can view user account details and can even add or updates things in their account. Admin has to feed the system with electricity usage data into respective users account. The system then calculates the electricity bill for every user and updates the information into their account every month. User can then view their electricity bill and pay on the spot before month end.

2.Objectives of the project

This project is an innovation, which makes the paying electricity bills simple compared to other existing projects. It maintains error free database and easily incorporates the future developments and changes. To develop and well-designed database to store employee information. Provides full functional reports to manage of electricity bill . The major goal of our projects to please customer by saving them time via payment process, maintaining records , and allowing them to see their information. User friendly describes hardware device or software interface that is easy to use.Too have an secure environment. To increase efficiency.To keep track on customer.

3.Scope of our project

Electricity Billing System will enable the customer and billing department staff to make things faster and can get information quickly. We can generate Bills and access it quickly The scope of billing software solution services from simple invoice production to comprehensive business management. Detailed information stored by these systems enables them to calculate and provide reports on various financial measures such as cash flow, profitability and payments errors in addition to use the regular billing software. It will be useful to the suppliers of electricity. The system will store the data efficiently

4.Features/Functionality

- It can store the data to help process it for later uses of developing bill

- Provides the searching facilities such as Electricity, Connection, Store Record , etc

- It's track all the information of bill, Electricity board , store record , etc .

- It deals with monitoring the information and transaction of store record.

- Editing of records is improved which proper in results resources management of electric data.

- It has high performance speed along with accuracy.

- It is protected by high – security measure and controls.

- Readings will generate directly to the system so no need to generate bills Door-to Door and no need to enter the data in the database manually.

- It allows the seamless sharing between the Electricity office and customer.

- It is a fully secured software.

5. Project outcomes

- ❖   User can access the features are provided. Consumers electricity bills can be uploaded for viewing by the consumers.

- ❖ User can efficiently generate bills with no errors. Consumers can pay their bills without stress.

- ❖ User can view latest updates concerning the power supply. They can securely use the system.

- ❖ It's help you to minimize your repeated works and take care of the complete functionality of billing department.

- ❖ The company's contact details can be posted for the public to see and contact easily.

- ❖ Both customer and staff(System administrator) can log into the system through a secure and validated login portal

6. Technology Stack

- NetBeans IDE 8.4

- Front End :Java JDK 1.7

- Backend:My SQL

7. Conclusion

We can reduce the manual efforts to collect the readings from the energy meter which is cost effective solution . Our project is humble venture to satisfy needs to manage their project work Several user friendly coding have also been adopted.After all the hard work is done for electricity bill management system is here.It is a software which helps the user to work with the billing cycles, paying bills, managing different Details under which are working etc.Also decreases the amount of time taken to write details and other modules.

Thank you !!