A project report on

ELECTRICITY-BILLING

Submitted in partial fulfilment of Request for the award of degree in

DEPARTMENT OF COMPUTER APPLICATION

OF

BENGALURU CITY UNIVERSITY

BENGALURU

ACHARAYA INSTITIUE OF GRADUATE STUDIES

(NAAC Reaccredited 'A' Grade and Affiliated to Bengaluru City university)

1#89/90,Soldevanahalli,Hesarghatta Road, Bengaluru – 560107

2022-2023

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CERTIFICATE

This is to certify that the project entitled

Electricity-Billing

Under the guidance of our PST teacher **Prof. Madhushree** Submitted by:-

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ACKNOWLEDGEMENT

Life enhances better opportunity with better blessings with adequate space and time. it was a great blessing for doing this project titled “Electricity-Bill” where we have put into all our efforts and dedication towards it resulting in getting undiscovered knowledge, better experiences and ideas behind. To give brighter and broader measures there has been a few concerns supportive to make this project to be real time application, without which my project would have been meaningless.

First, my heartfelt gratitude and respect to Dr. Gurunath Rao Vaidya, Principal of AIGS and to Prof. Ramakrishna C.N, HOD , Dept. of Computer Applications. With utmost thanks and dedication, I would like to thank our guide Prof. Mrs. Madhushree , where she was aside in every step of work that I have done and with some important advises and corrective measures.

I would like to extend my thanks and gratitude to every faculty of BCA Department and to my family inmates and friend who were concerned for the project.

Thank you everyone.

ABSTRACT

An electricity billing software is a computer program that is used to manage and track electricity usage and billing information. It is typically used by electricity providers to manage customer accounts, track usage and generate bills, and process payments. An electricity billing software built using C programming language is a specific type of software that has been developed using the C programming language.

Overall, an electricity billing software built using C programming language is a powerful and useful tool for managing and tracking electricity usage and billing information. It can help improve efficiency, accuracy, and profitability for electricity providers, and provide valuable insights and information for customers.

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INTRODUCTION

An electricity billing software is a computer program that is used to manage and track electricity usage and billing information. It is typically used by electricity providers to manage customer accounts, track usage and generate bills, and process payments. An electricity billing software built using C programming language is a specific type of software that has been developed using the C programming language.

There are many benefits to using an electricity billing software, including the ability to accurately track and bill for electricity usage, streamline the billing process, and provide valuable insights into electricity usage and costs. An electricity billing software built using C programming language can offer all of these benefits, as well as the added benefits of being fast, efficient, and reliable.

In addition to these benefits, an electricity billing software built using C programming language can also be customized to meet the specific needs and requirements of the user. This makes it a versatile and flexible solution for electricity providers of all sizes and types.

Overall, an electricity billing software built using C programming language is a powerful and useful tool for managing and tracking electricity usage and billing information. It can help improve efficiency, accuracy, and profitability for electricity providers, and provide valuable insights and information for customers.

SYSTEM REQUIREMENTS

SOFTWARE REQUIREMENTS

- Language used : 'C'
- Code editor : Visual studio\Turbo C\Atom\Sublime text
- Operating system : Windows \Mac OS\Linx

HARDWARE REQUREMENTS

- System : Pentium or Higher
- Hard disk : 40GB or Higher
- RAM : 512 MB or Higher

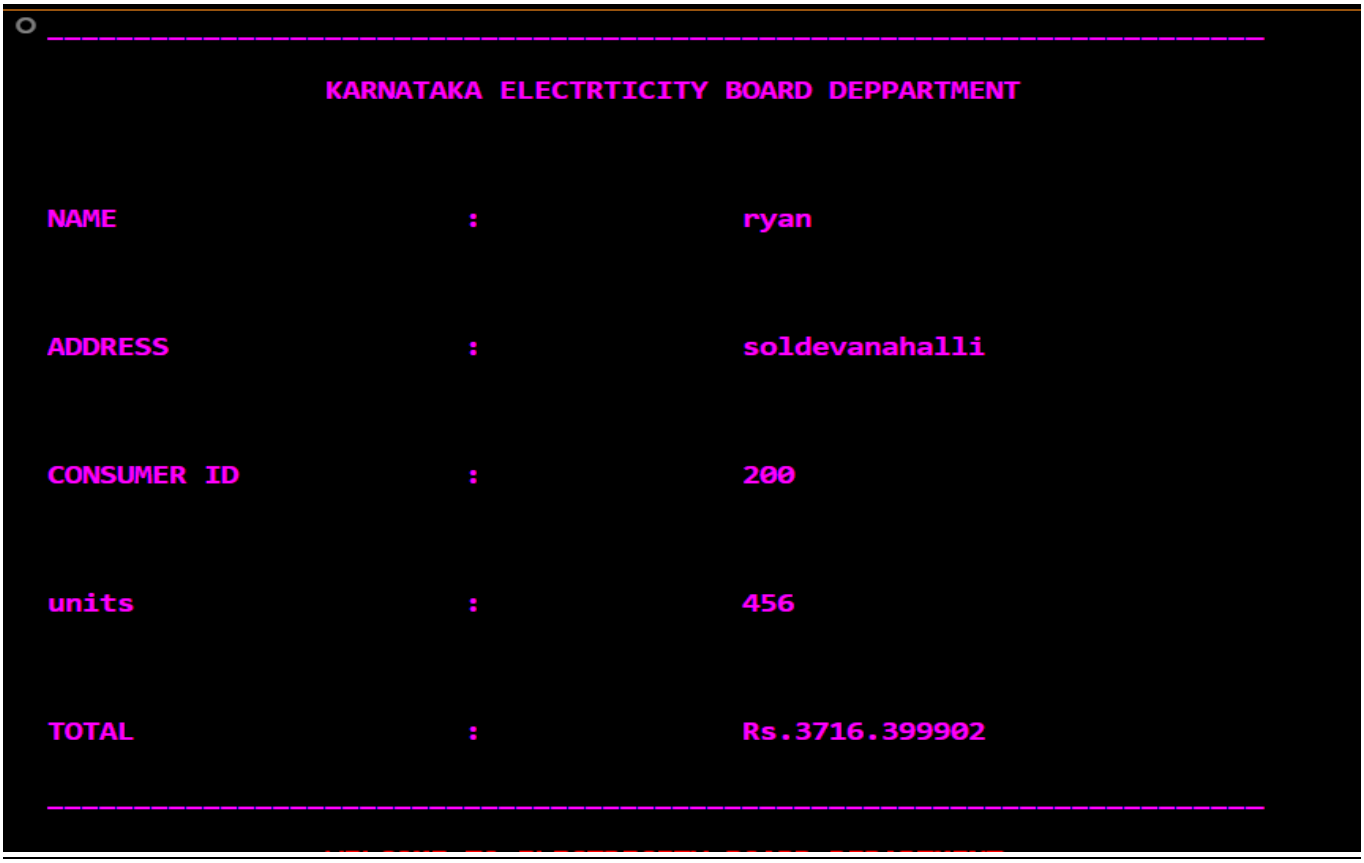
SOURCE CODE

https://github.com/Ryansheikh003/Project-on-electricity-bill

OUTPUT

```
PS C:\cprgrm> cd "c:\cprgrm\" ; if ($?) { gcc electricitybill2.c -o electricitybill2 } ; if ($?) { .\electricitybill2 }

                WELCOME TO ELECTRICITY BOARD DEPARTMENT

 1}      DELHI

 2}      WEST BENGAL

 3}      KARNATAKA

 4}      MAHARASHTRA

 Select your state
```

```
        WELLCOME TO KARNATAKA ELECTRTICITY BOARD DEPPARTMENT

           ELECTRICITY TARIFF FOR HOUSEHOLDS (Rates/Unit)

_____________________________________________________________________
        Upto 50                 :               Rs. 4.1/unit

        51-100                  :               Rs. 5.55/unit

        101-200                 :               Rs. 7.1/unit

        Above 200               :               Rs. 8.15/unit

_____________________________________________________________________
        Enter your details to access your bill
Consumer id : 200

Name    : ryan
Address : soldevanahalli

Total Units Consumed : 456
```


KARNATAKA ELECTRTICITY BOARD DEPPARTMENT
NAME : ryan
ADDRESS : soldevanahalli
CONSUMER ID : 200
units : 456
TOTAL : Rs.3716.399902

FUTURE ENCHANCEMENT

There are many potential areas for enhancement in an electricity billing software built using C programming language. Some potential areas for improvement include:

- User interface: The software could be made more user-friendly by improving the design and layout of the interface, adding additional features such as graphical representations of data, and providing more detailed instructions and guidance for users.

- Data management: The software could be enhanced to better handle large amounts of data, including the ability to store data more efficiently and to perform faster searches and calculations.

- Security: The software could be enhanced with additional security measures to protect sensitive customer data and prevent unauthorized access.

- Billing and payment options: The software could be enhanced to support a wider range of billing and payment options, including online payments and automatic billing.

- Integration with other systems: The software could be enhanced to integrate with other systems, such as customer relationship management (CRM) software or enterprise resource planning (ERP) systems, to improve efficiency and streamline workflows.

- Mobile support: The software could be enhanced to be accessible from mobile devices, allowing users to access and manage their billing information on the go.

- Customization: The software could be made more customizable, allowing users to tailor the software to their specific needs and preferences.

- Reporting and analytics: The software could be enhanced to provide more detailed reports and analytics, allowing users to better understand their electricity usage and costs.

CONCLUSION

In conclusion, an electricity billing software built using C programming language is a useful tool for managing and tracking electricity usage and billing information. It can help improve efficiency and accuracy in the billing process, as well as provide valuable insights into electricity usage and costs. There are many potential areas for enhancement in such a software, including improvements to the user interface, data management, security, billing and payment options, integration with other systems, mobile support, customization, and reporting and analytics. By addressing these areas for improvement, the software can be made more effective and useful for both electricity providers and their customers.